

*Science
in the
Beginning*

Notebook

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Day 1:
Let there be
Light!

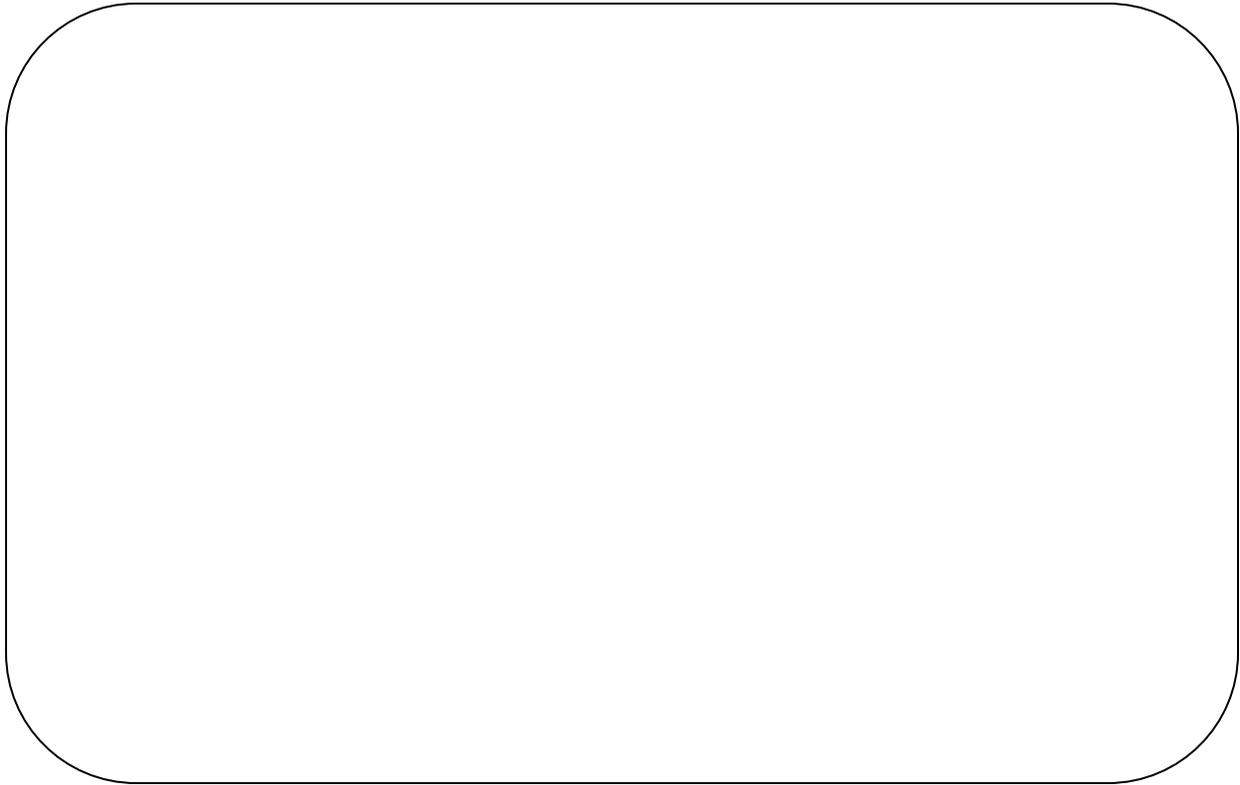


Day 1: Lesson 1 "Light"

Day 1: Lesson 1

"Light"

Draw a picture that comes to mind when you think of light.



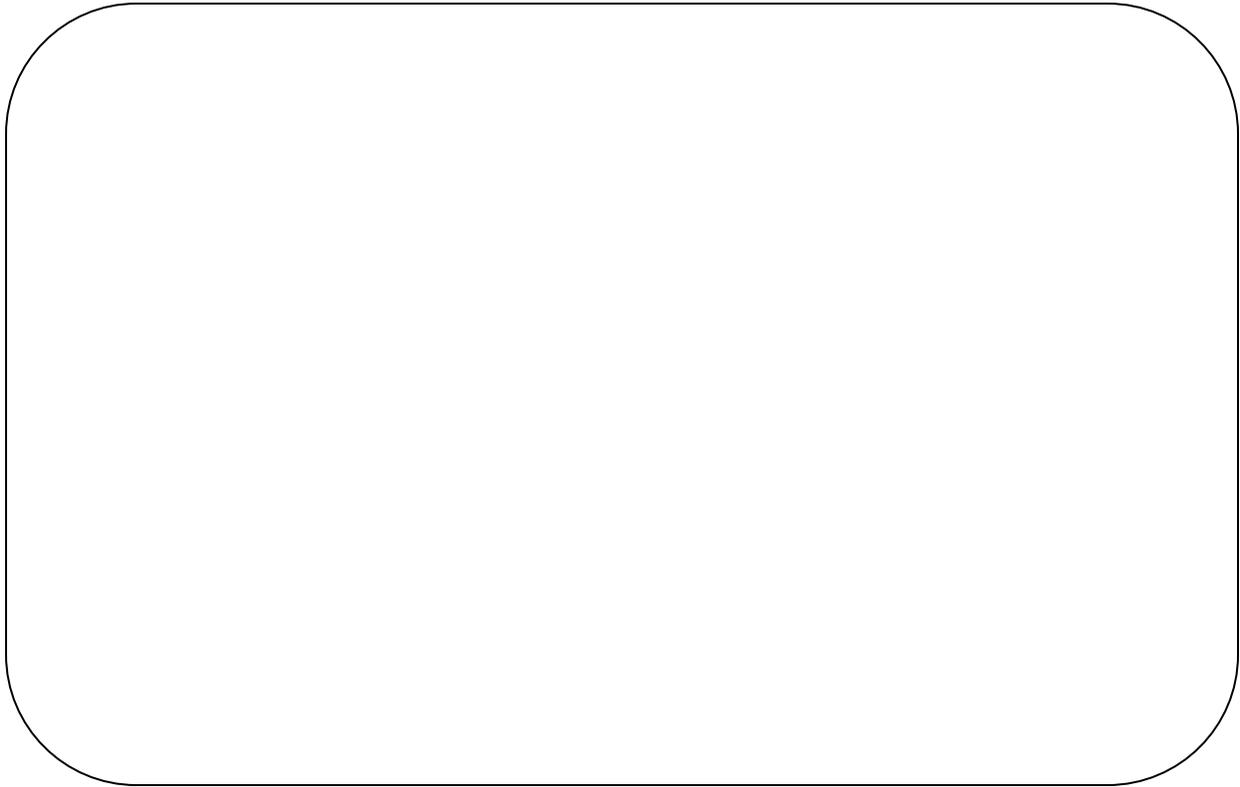
What does it mean for light to reflect off something?

Day 1: Lesson 2 "The Colors in Creation"

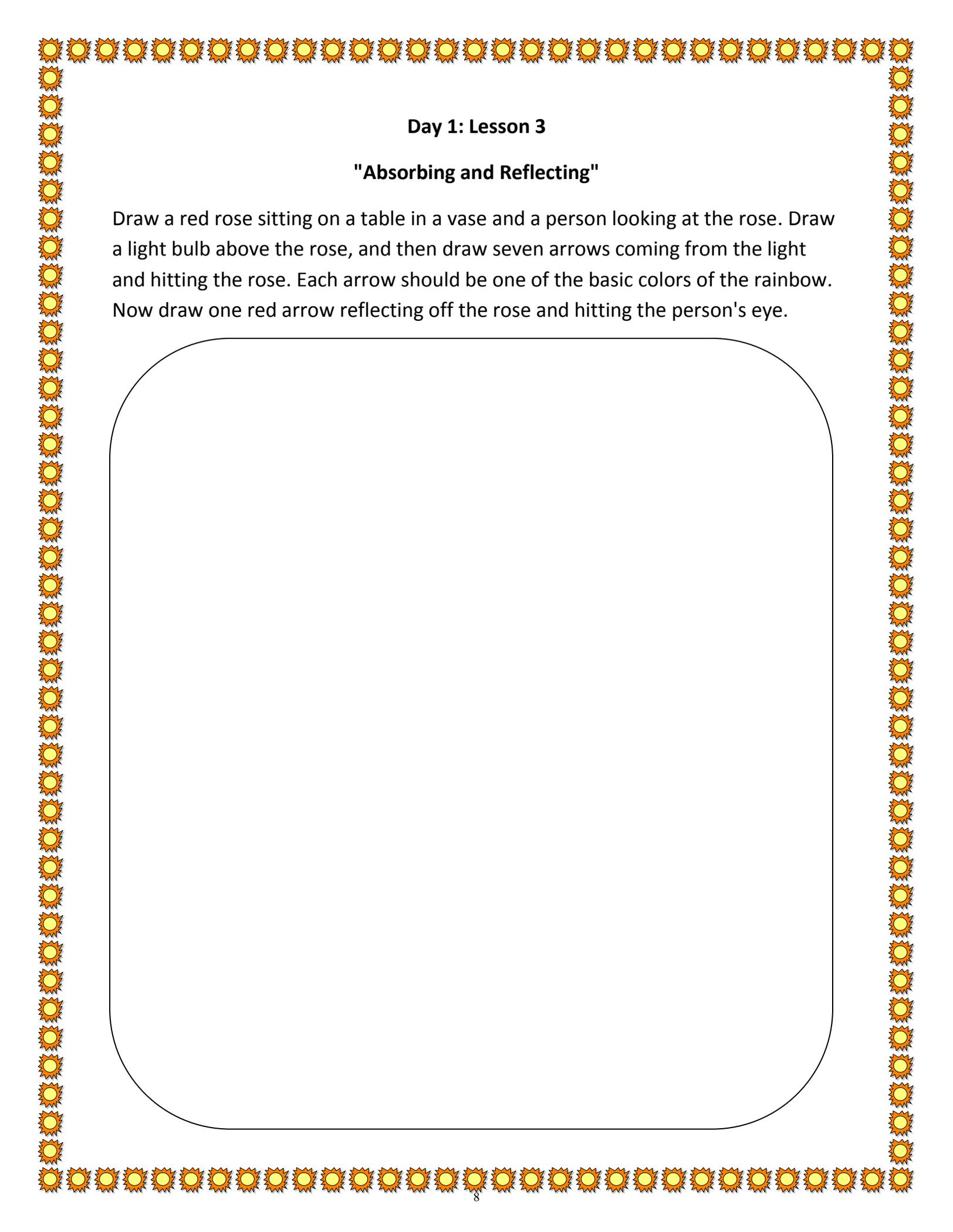
Day 1: Lesson 2

"The Colors in Creation"

Draw a rainbow with the colors in the proper place.



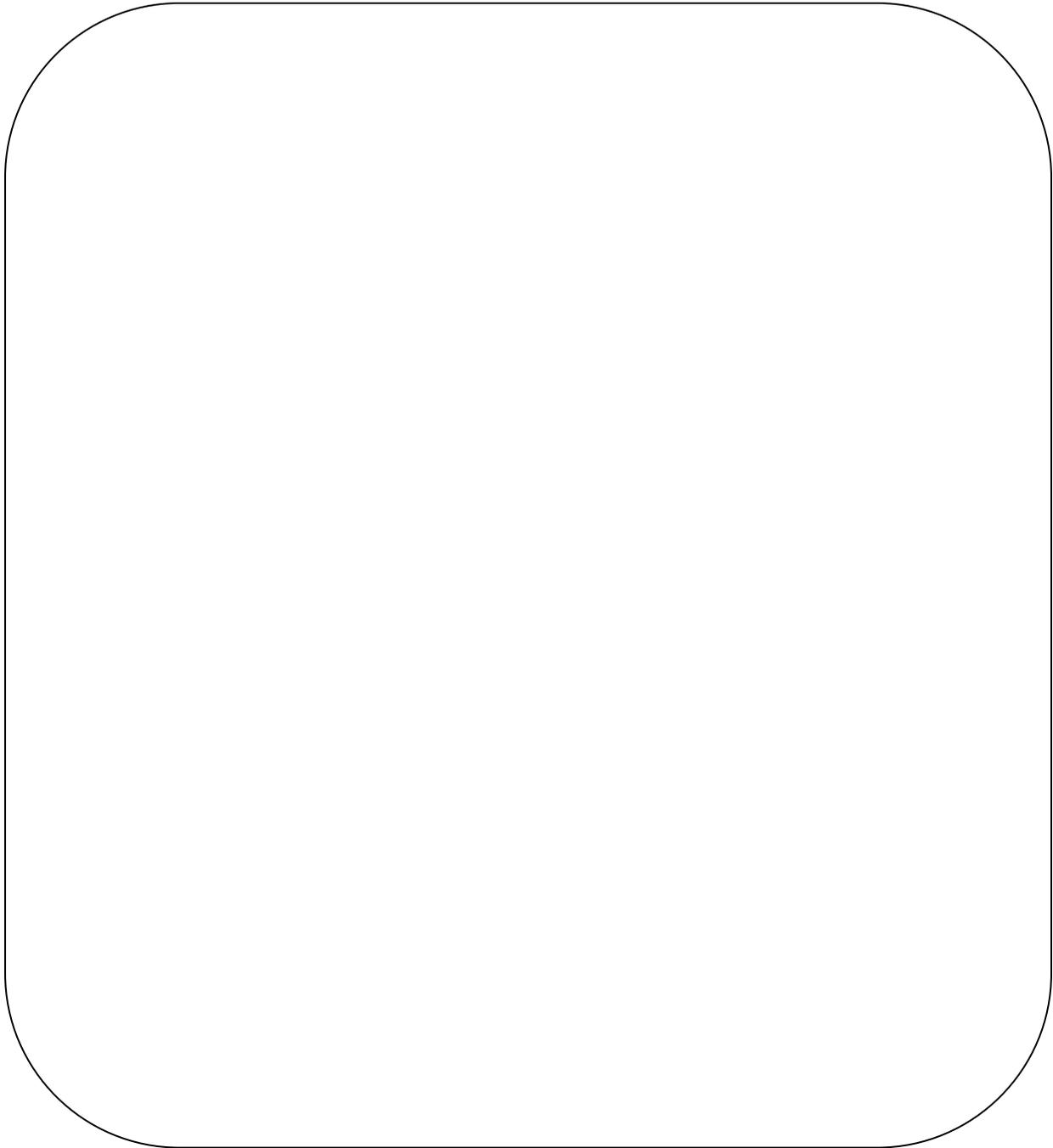
Write Mr. White Light's name and explain why it tells you the order of the basic colors in a rainbow.



Day 1: Lesson 3

"Absorbing and Reflecting"

Draw a red rose sitting on a table in a vase and a person looking at the rose. Draw a light bulb above the rose, and then draw seven arrows coming from the light bulb and hitting the rose. Each arrow should be one of the basic colors of the rainbow. Now draw one red arrow reflecting off the rose and hitting the person's eye.



Day 1: Lesson 4 "Light and Energy"

Day 1: Lesson 4

"Light and Energy"

Find pictures (or draw pictures) of the four types of energy you learned about in this lesson. Label the form of energy the picture represents.

Day 1: Lesson 5 "Learning More About Light That Is Reflected and Absorbed"

Day 1: Lesson 6 "Energy Conversion in Creation"

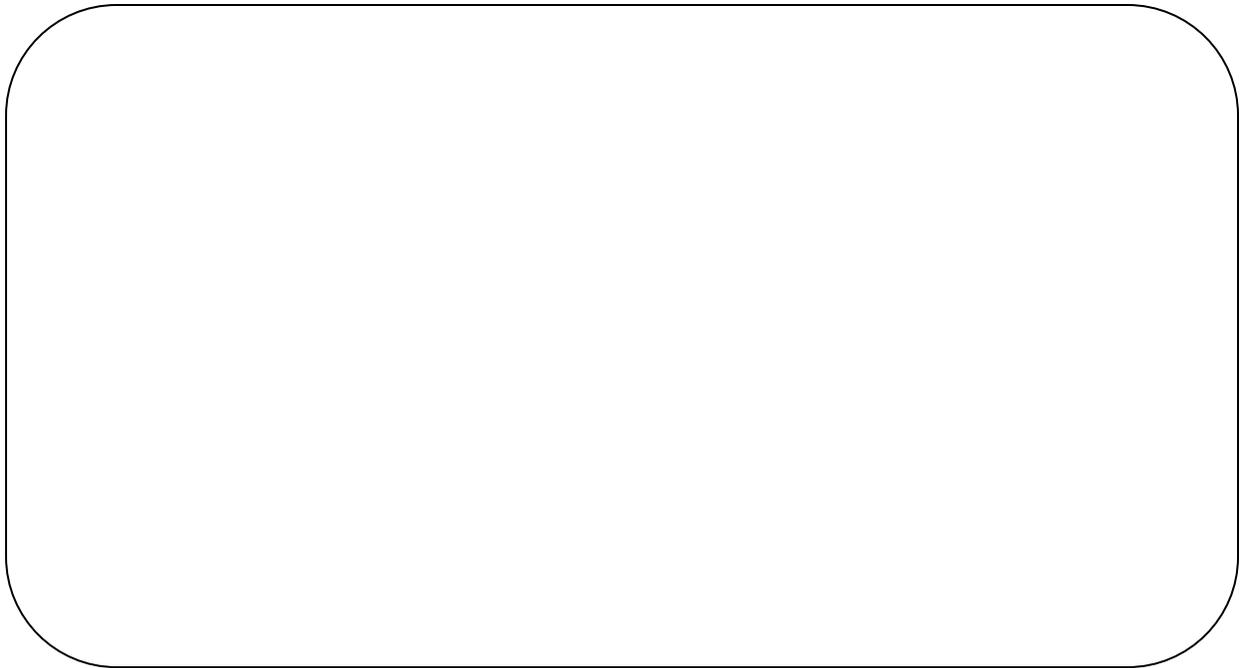
Day 1: Lesson 7 "More on the Law of Energy Conversion in Creation"

Day 1: Lesson 8 "The Light You Don't See"

Day 1: Lesson 8

"The Light You Don't See"

Make a drawing of what happened in the first experiment. Draw the television, the remote, and the paper, and use arrows to show where the infrared light from the remote went so it could turn on the television.



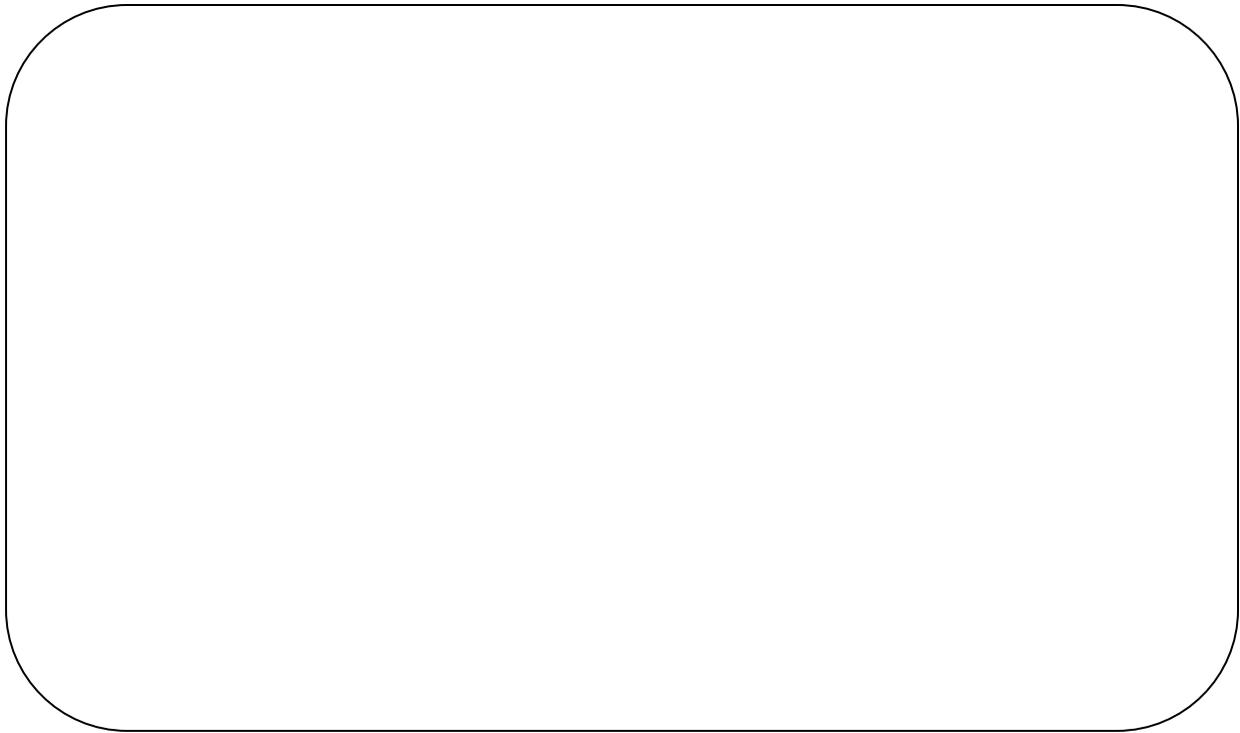
Write what you think would happen if you pointed the remote right at the television, but someone stood in between the remote and the television. Would the remote turn on the television? Why or why not? Try it and see if you are right.

Day 1: Lesson 9 "How the Human Eye Sees"

Day 1: Lesson 9

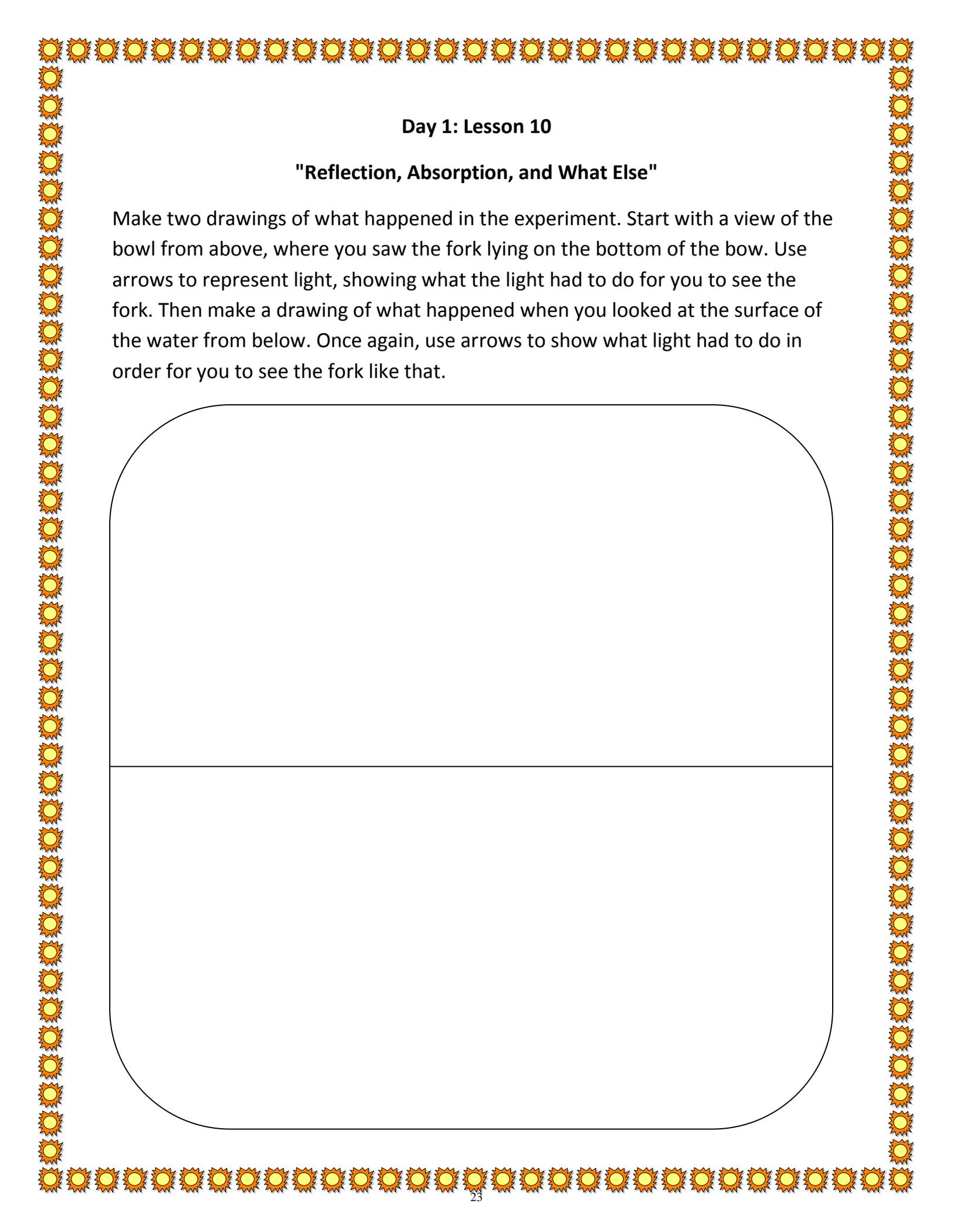
"How the Human Eye Sees"

Make your own drawing of the eye, based on the one you see on page 25. Label the cornea, lens, retina, and optic nerve. Note that the rods and cones can be found on the retina. Point out where the blind spot is.



Explain why the blind spot is a blind spot.

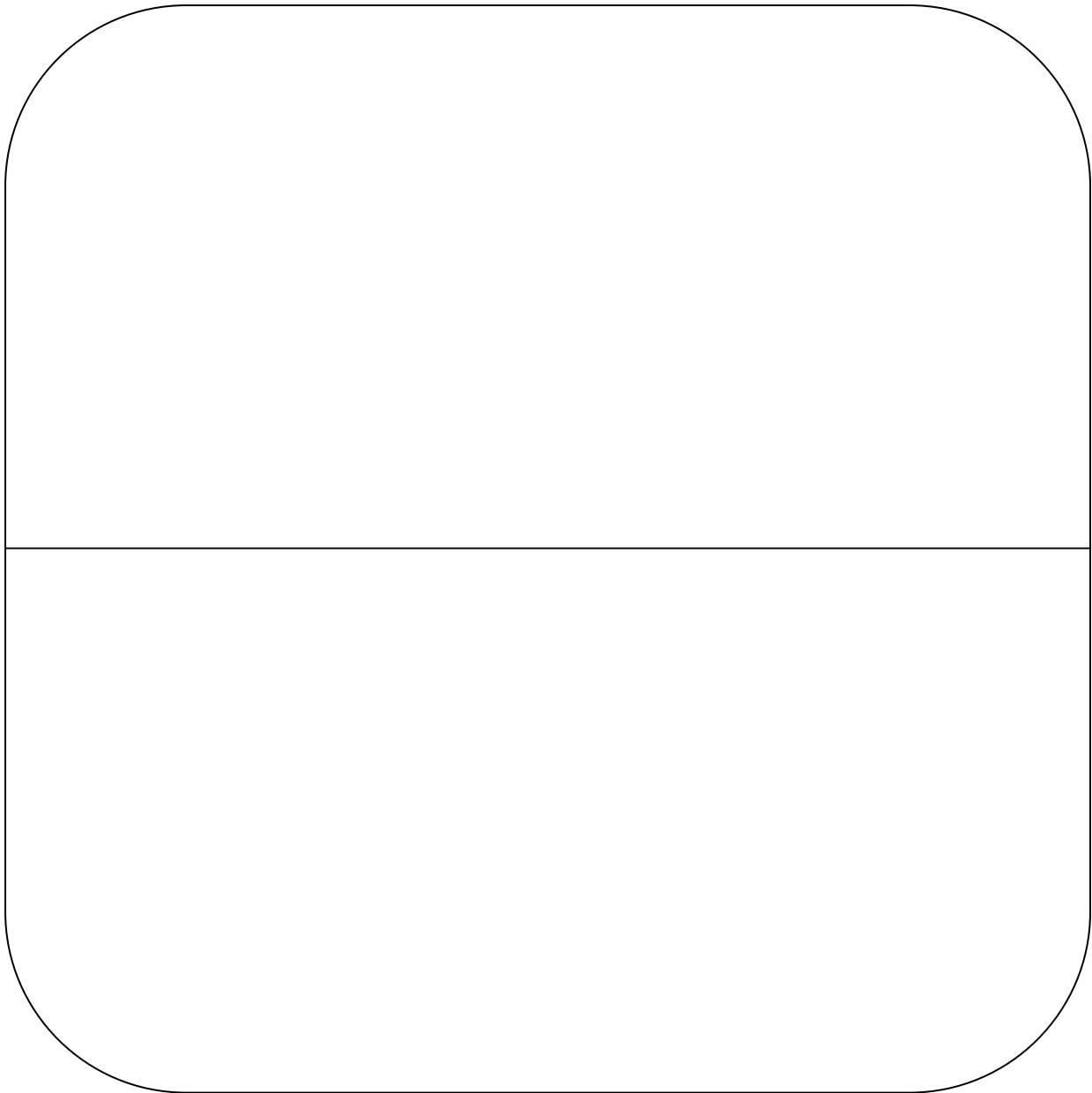
Day 1: Lesson 10 "Reflection, Absorption, and What Else"



Day 1: Lesson 10

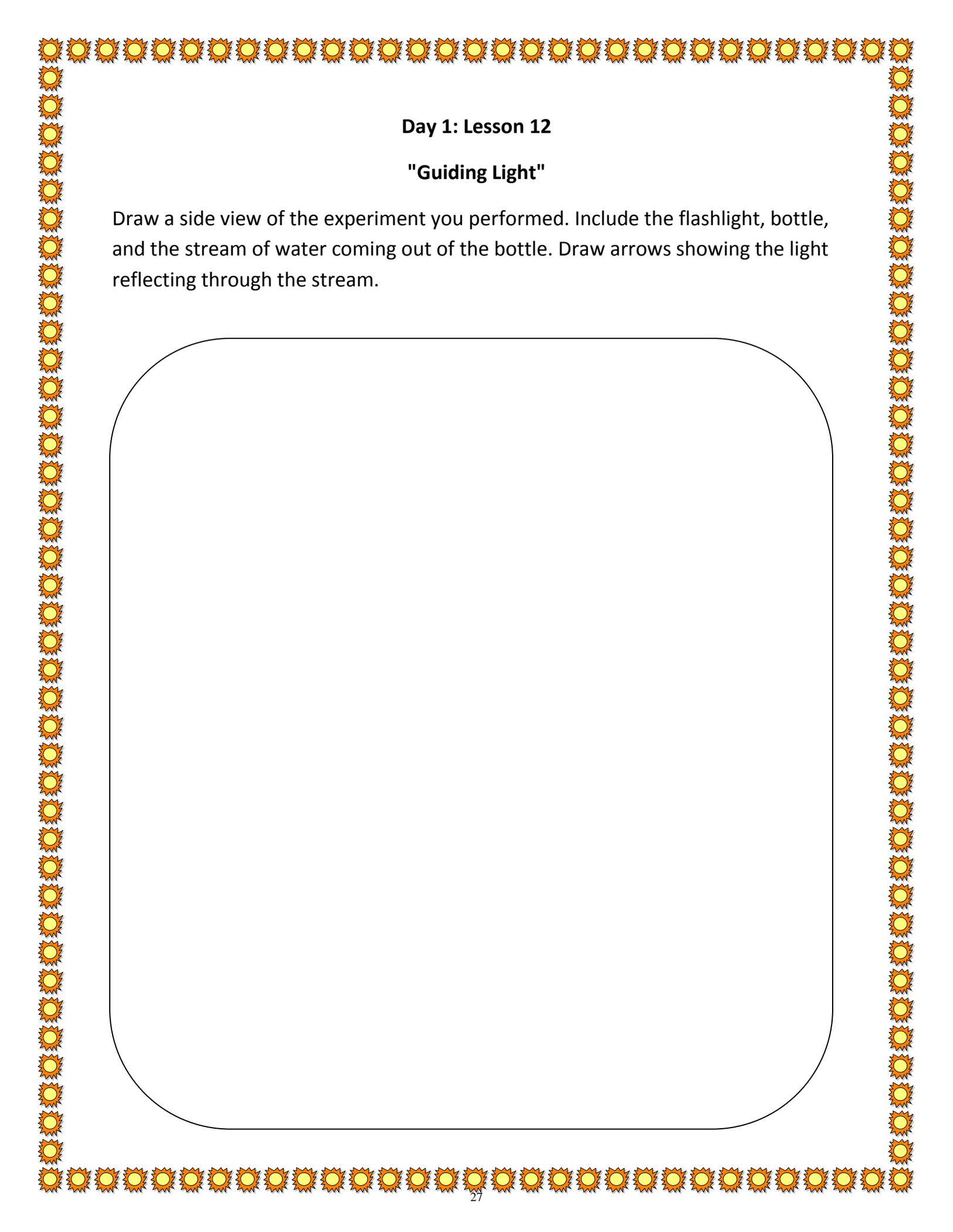
"Reflection, Absorption, and What Else"

Make two drawings of what happened in the experiment. Start with a view of the bowl from above, where you saw the fork lying on the bottom of the bowl. Use arrows to represent light, showing what the light had to do for you to see the fork. Then make a drawing of what happened when you looked at the surface of the water from below. Once again, use arrows to show what light had to do in order for you to see the fork like that.



Day 1: Lesson 11 "How the Amount of Light Affects What You See"

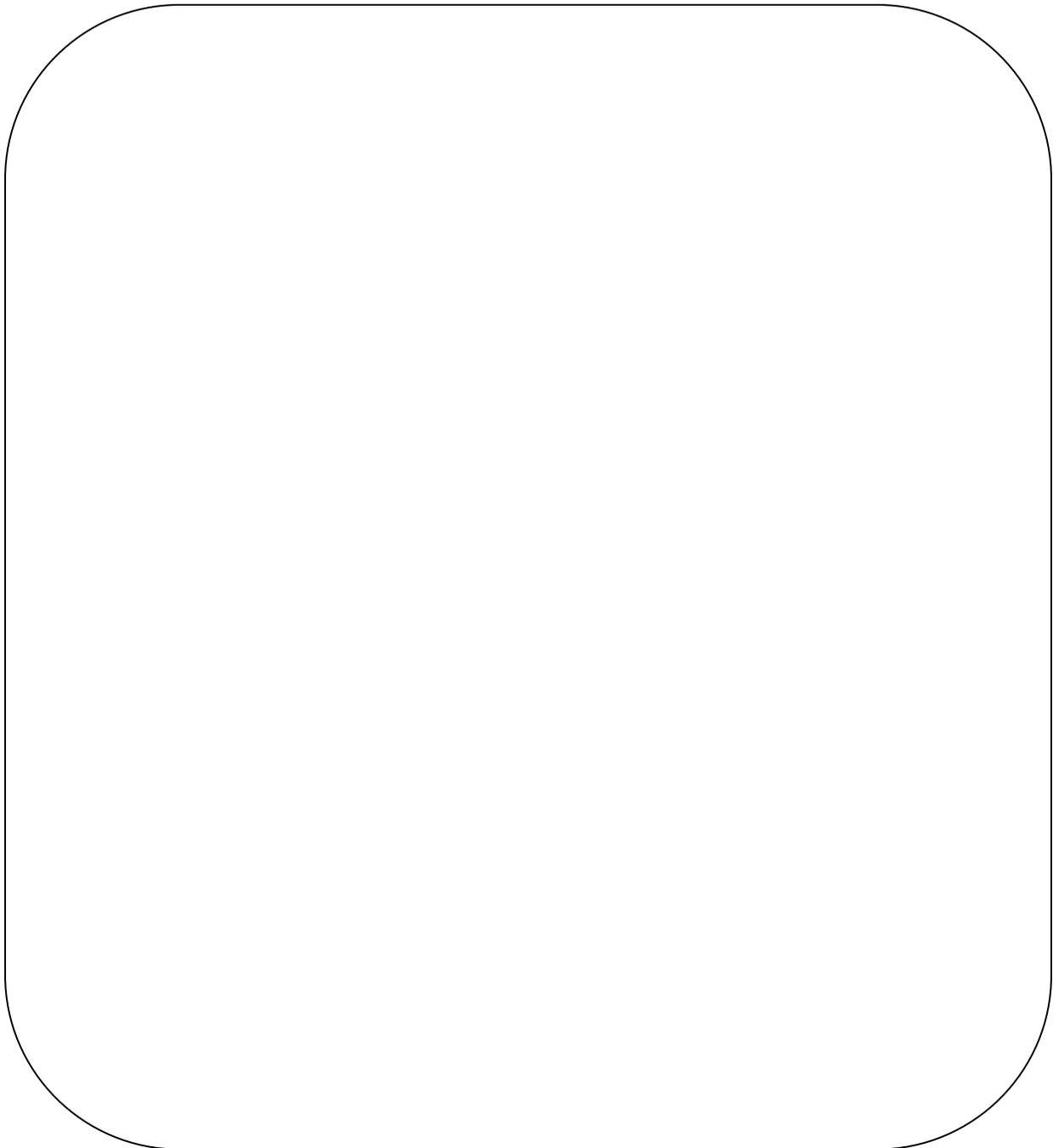
Day 1: Lesson 12 "Guiding Light"



Day 1: Lesson 12

"Guiding Light"

Draw a side view of the experiment you performed. Include the flashlight, bottle, and the stream of water coming out of the bottle. Draw arrows showing the light reflecting through the stream.



Day 1: Lesson 13 "Light Can Carry Information"

Day 1: Lesson 14

"Refraction"

Draw what you saw in the first experiment. Make one drawing with the flashlight tilted at an angle so that the beam that went under the cake pan was different from the beam that was in the water. Label the beam below the pan as "beam in air," and label the beam in the water as "refracted beam in water." Then make a second drawing with the flashlight pointed straight at the cake pan so it is not possible to tell the two beams apart.

A large rounded rectangular box with a horizontal line across the middle, intended for drawing the experiment results. The top half is for a tilted flashlight, and the bottom half is for a flashlight pointed straight down.

Day 1: Lesson 15 "Refraction and Magnification"



Day 1: Lesson 15

"Refraction and Magnification"

1. A magnifying glass is made from a _____ piece of glass.

2. Why does the lens in your eye change shape?

3. Explain in your own words why the puddle of water in your experiment acted as a magnifying glass.

Day 2:

Water and

Air



Day 2: Lesson 16 "Water and the Expanse"

Day 2: Lesson17 "Solids and Liquids"

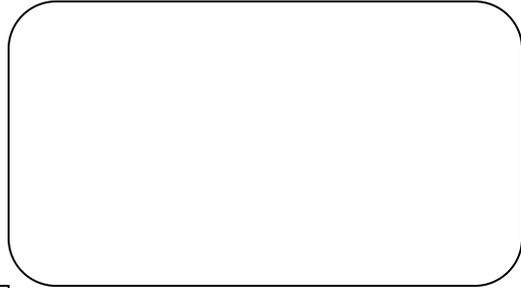
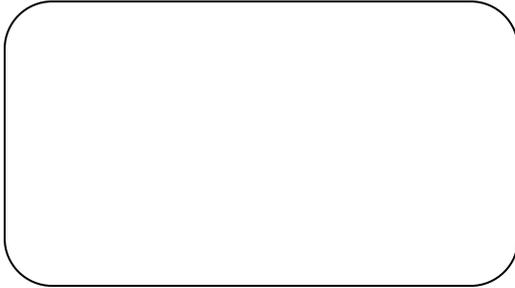
Day 2: Lesson17
"Solids and Liquids"

Water

Wax

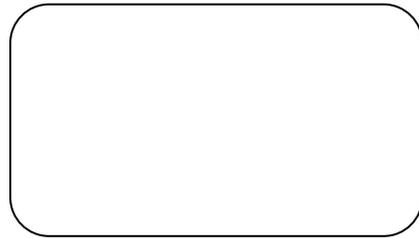
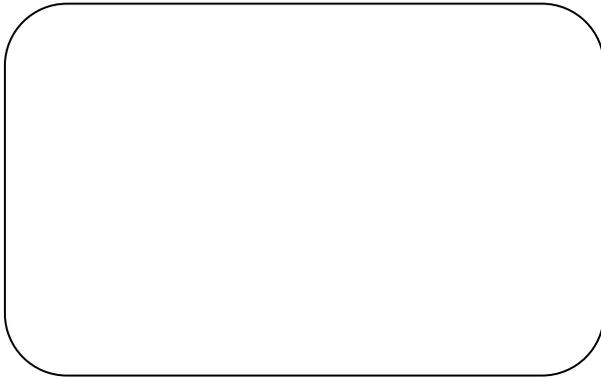
Water in its *liquid* phase

Wax in its *liquid* phase



Water in its **solid** phase

Wax in its **solid** phase



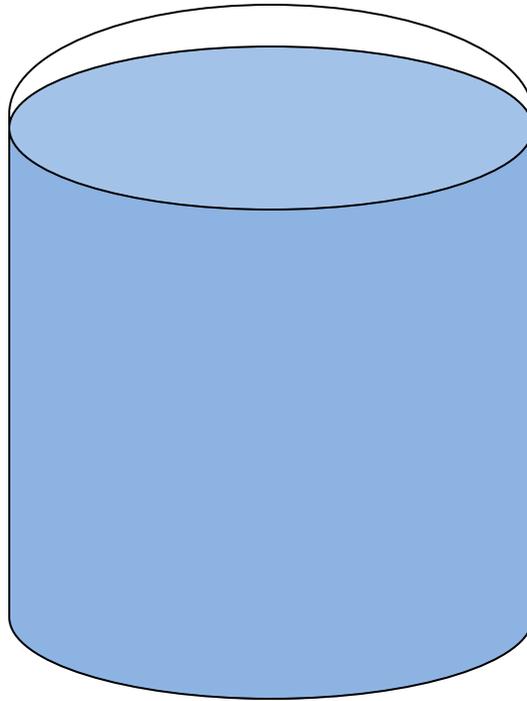
Explain the difference in sizes of the squares above and how they represent what happens when water and wax freeze.

Day 2: Lesson 18
"Why Things Float"

Day 2: Lesson 18
"Why Things Float"

1. Fill in the blank with several words: In order to sink, an object must weigh more than _____.

2. Draw 2 squares in the glass of water below. One square should be at the bottom of the container, while the other square should be floating in the water. Assume both squares weigh the same, which means that they have to be different sizes. Use the fact that one sank and the other is floating to determine which should be drawn smaller and which should be drawn larger.



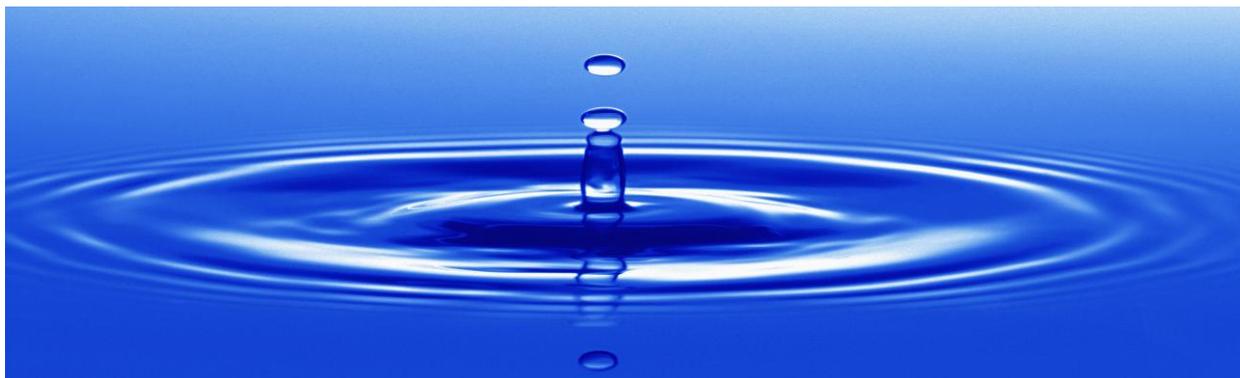
Write an explanation why you drew the sizes the way you did.

Day 2: Lesson 19
"Will It Float"

Record the results of your experiment in the chart below.

Hypothesis: Do you think the items will sink or float?

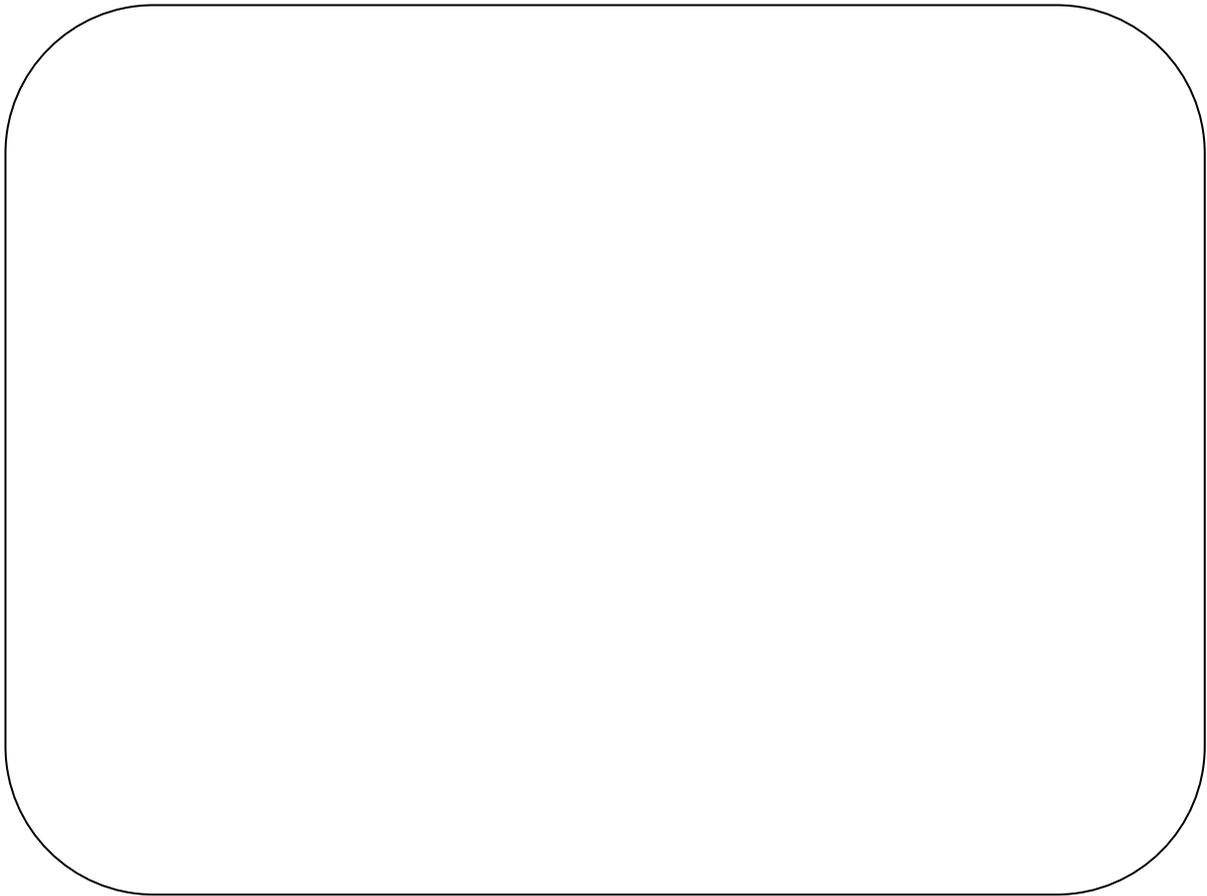
Item	Prediction (sink or float)	Results (sink or float)
Can of Coke		
Can of Diet Coke		
Candle		
Metal Paper Clip		
Ice Cube		
Onion		
Fresh Orange		
Potato		



Day 2: Lesson 20
"Water in its Gas Phase"

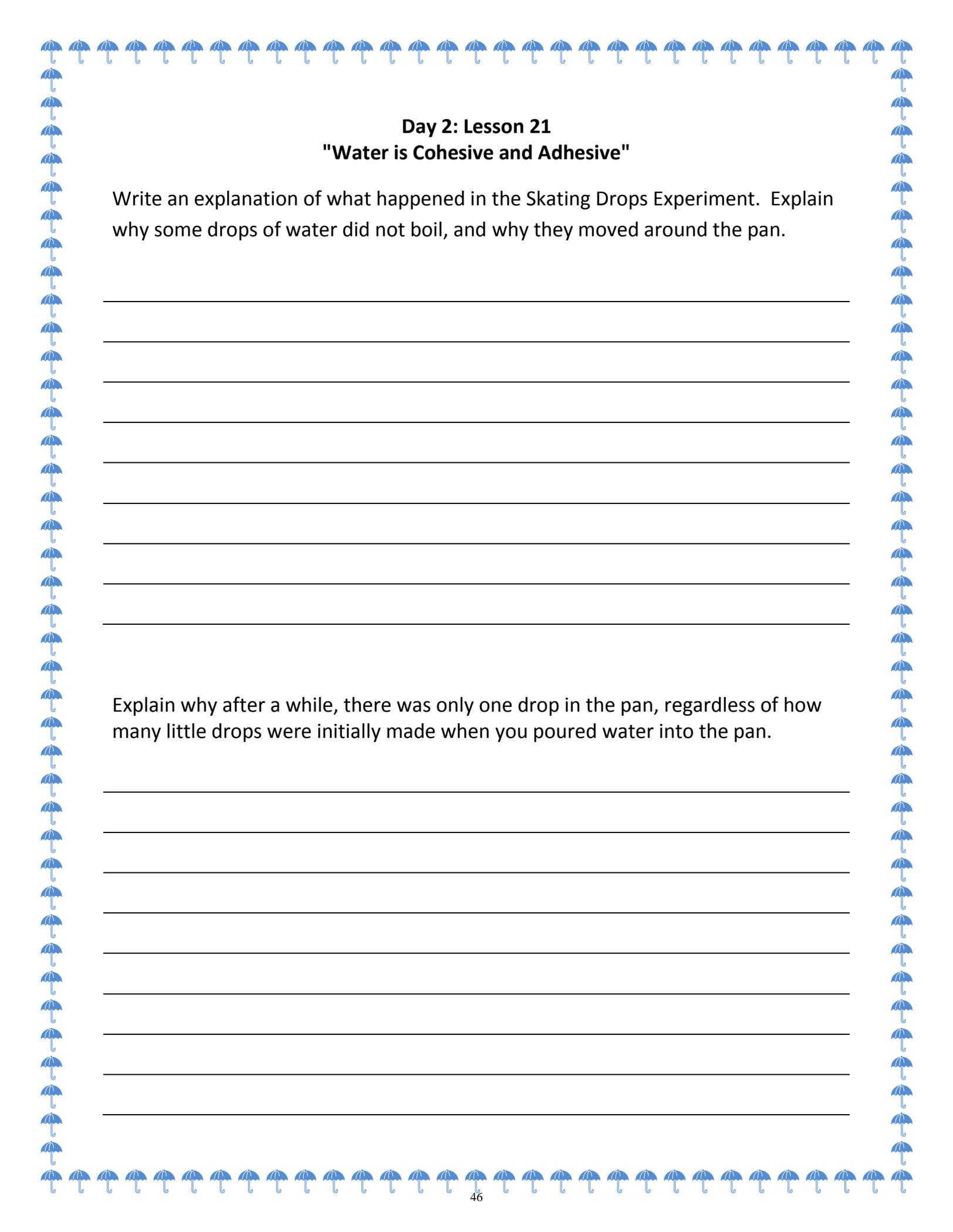
Day 2: Lesson 20
"Water in its Gas Phase"

Make a drawing that describes the basics of how it rains. Start with a body of water (like a lake), and use wavy lines to represent water vapor rising. Have a cloud forming above, but then do something to make it clear that the cloud moves and gets heavier. Typically, the darker the cloud, the heavier it is. Then show the cloud making rain somewhere away from the body of water.



Write a description of the process in your drawing.

Day 2: Lesson 21 "Water is Cohesive and Adhesive"



Day 2: Lesson 21
"Water is Cohesive and Adhesive"

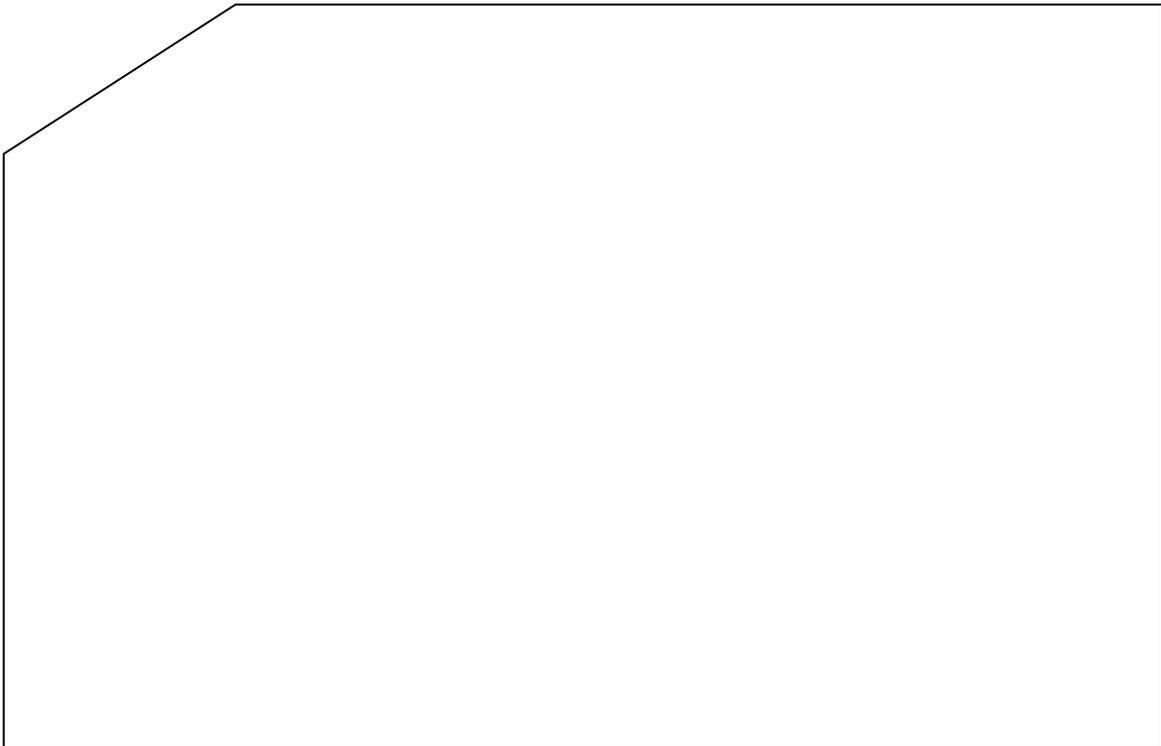
Write an explanation of what happened in the Skating Drops Experiment. Explain why some drops of water did not boil, and why they moved around the pan.

Explain why after a while, there was only one drop in the pan, regardless of how many little drops were initially made when you poured water into the pan.

Day 2: Lesson 22 "What is Water?"

Day 2: Lesson 22
"What is Water?"

Make a drawing of the experiment. Draw three glasses that have water in them, and draw each with a battery under the water. Label them as "No Epsom Salt," "Some Epsom Salt," and "More Epsom Salt." Draw bubbles coming off the battery the way you saw them in the experiment, illustrating how many bubbles you saw in each case.



Explain what the bubbles are and where they came from.

Day 2: Lesson 23 "What is a Solution"

Day 2: Lesson 23
"What is a Solution"

1) If you dissolve sugar in water, what is the solute? _____

2) What is the solvent? _____

3) If you allowed all the water from sugar water solution to evaporate, what would be left? _____

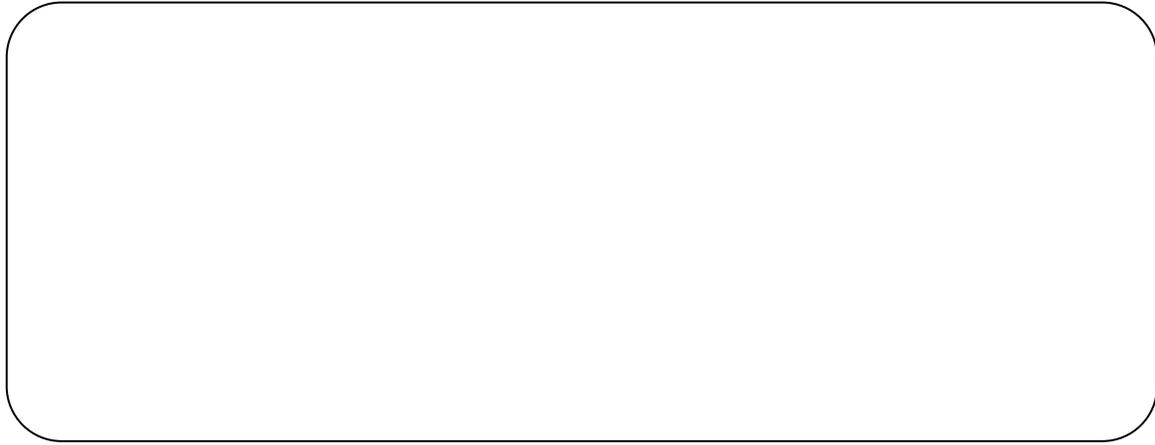
4) Look around the house for a few solids (other than Epsom salt and table salt) that you can try to dissolve in water. See if they dissolve in water by adding a little bit of water and stirring. Remember, it dissolves if you cannot see the solid anymore. You might see some color, because dissolved solids can give color to a solution. However, you shouldn't see the solid after you stir for a while. Continue the experiment until you have at least 2 solids that dissolve in water.

Solid	Did it Dissolve?	If it dissolved, identify the solute	If it dissolved, identify the solvent	What would you call the resulting solution?

Day 2: Lesson 24 "Other Kinds of Solutions"

Day 2: Lesson 24
"Other Kinds of Solutions"

Draw a picture of what happened to in the experiment.



Write an explanation for what happened in your experiment. Explain what made the fountain and how the Mentos helped that to happen.

Predict the size of the fountain if you used a bottle of Diet Coke that had been warmed to a higher temperature.

Day 2: Lesson 25 "Don't Forget About Air"

Day 2: Lesson 26 "Sometimes Hot Air Is Good!"



Day 2: Lesson 26
"Sometimes Hot Air is Good"

Draw a picture showing the bottle and balloon before the bottle was heated

Draw a picture showing the bottle and balloon after it had been heated for several minutes.

Explain why the balloon inflated when the bottle was heated.

Day 2: Lesson 27 "Some Weighty Truths"

Day 2: Lesson 27
"Some Weighty Truths"

1. What did the Bible tell us about air long before science figured it out?

Explain why a hot-air balloon floats when the heat is turned up and comes back to the ground when the heat is turned down.

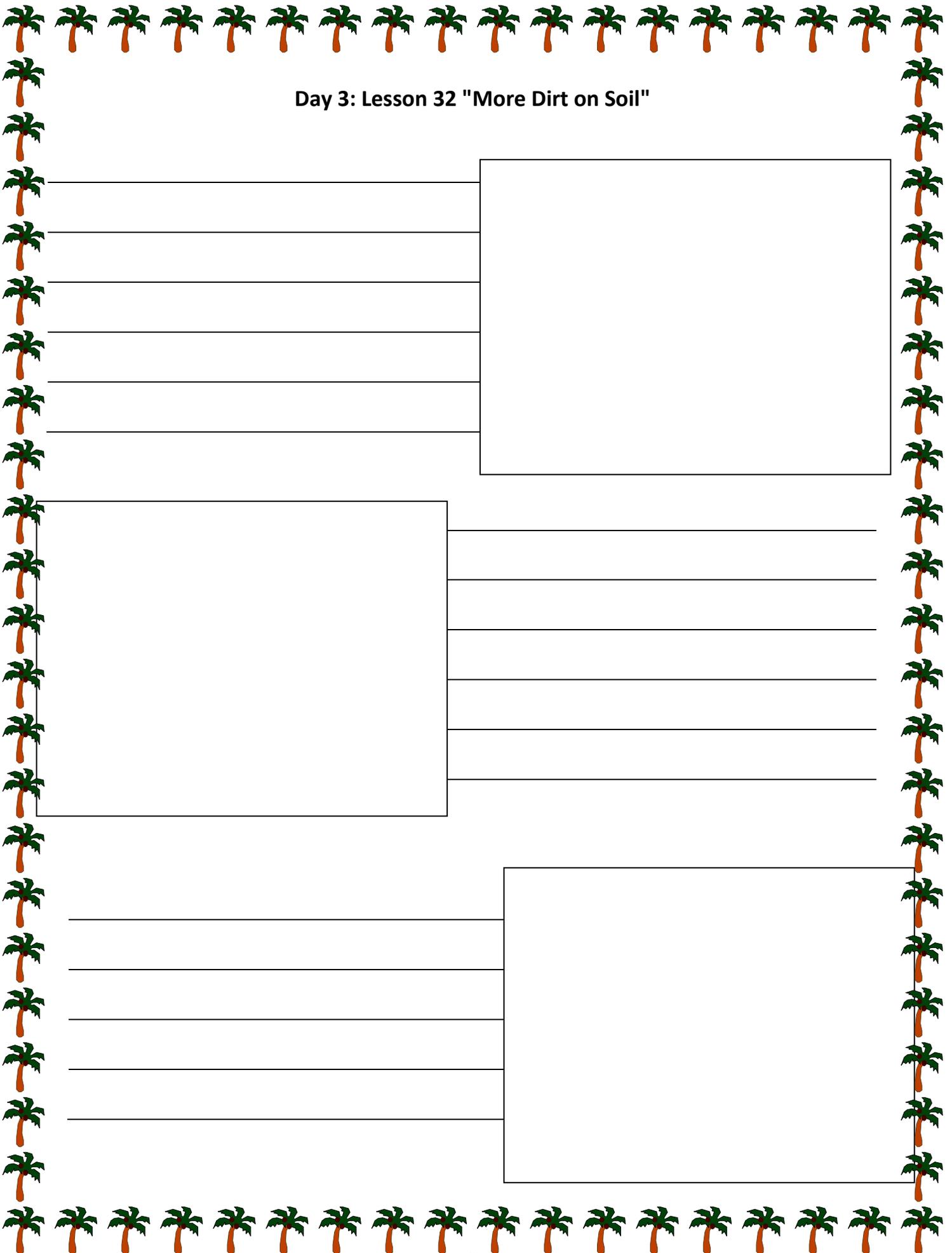


Day 3:

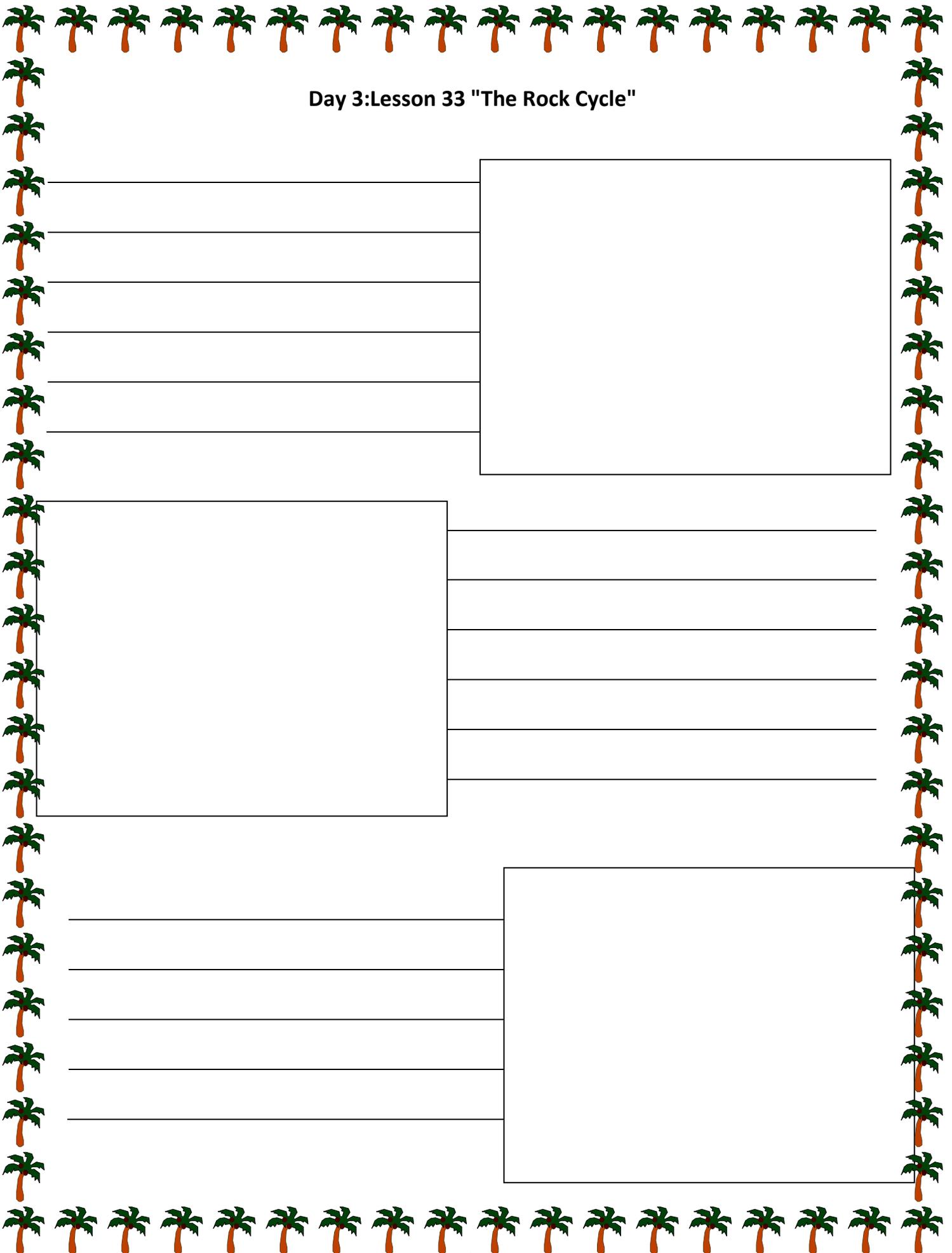
Land, Sea, and Plants

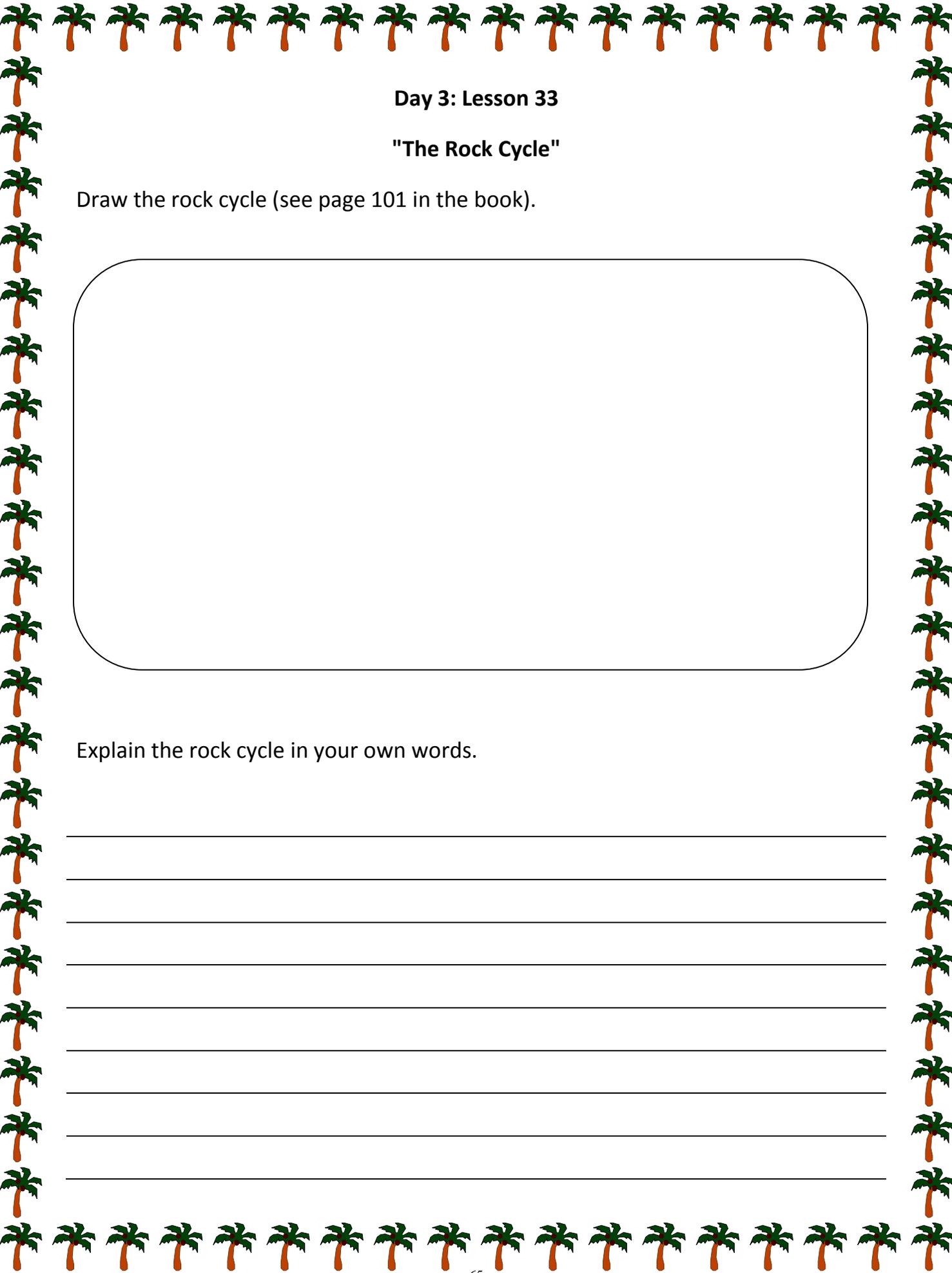


Day 3: Lesson 32 "More Dirt on Soil"



Day 3: Lesson 33 "The Rock Cycle"

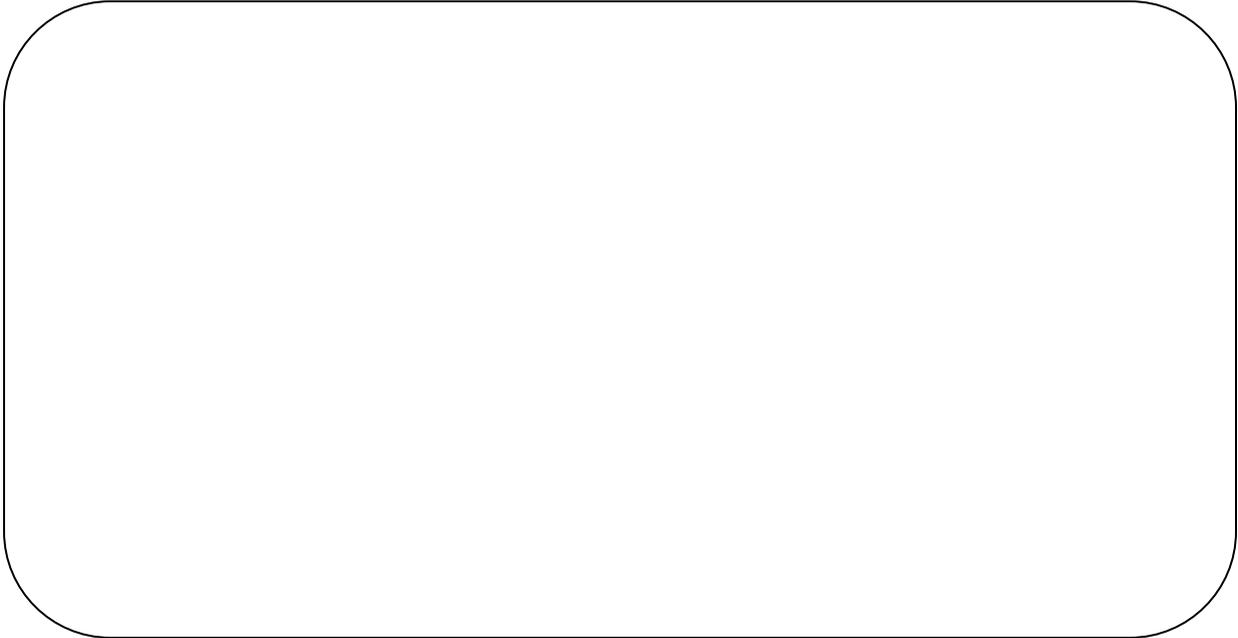




Day 3: Lesson 33

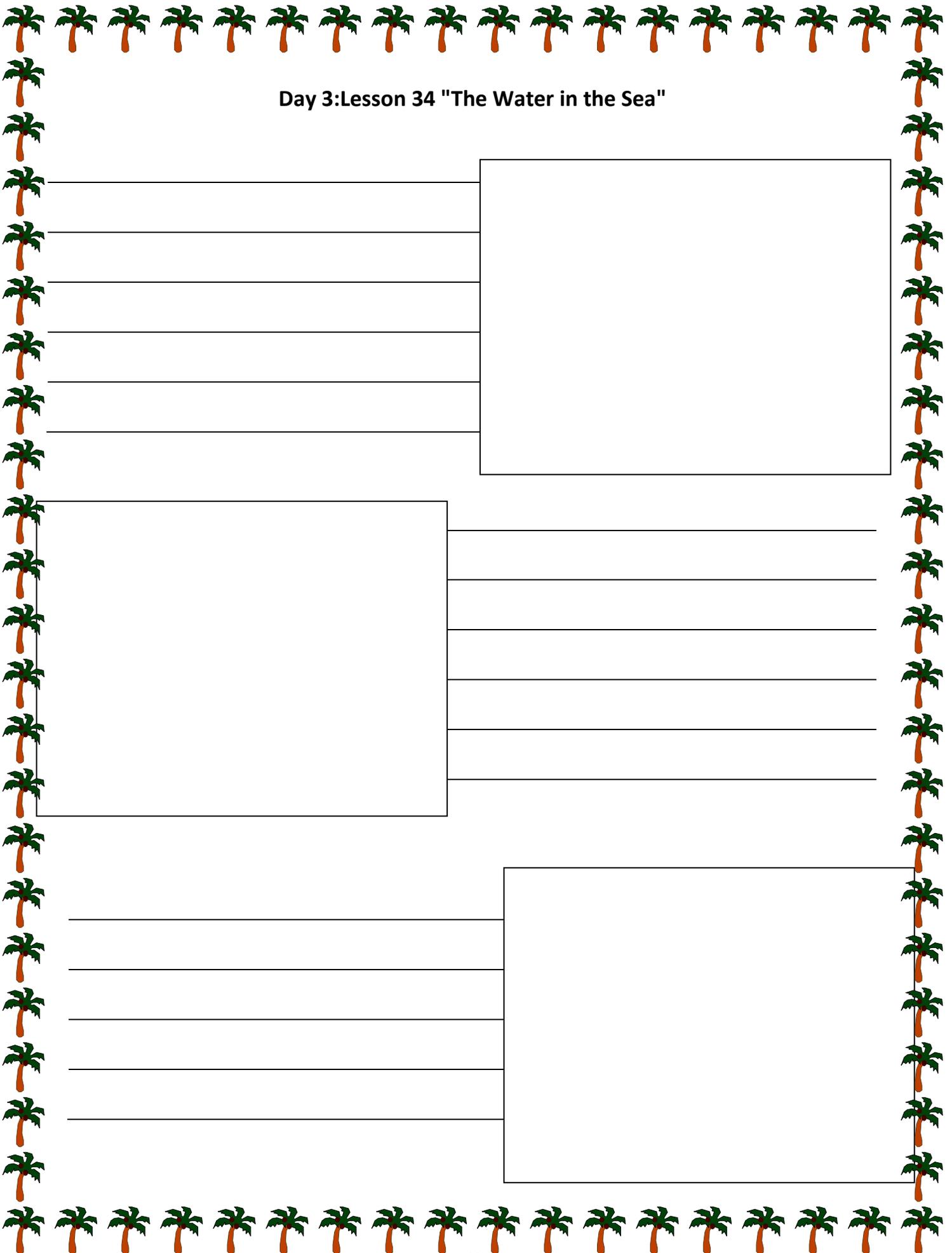
"The Rock Cycle"

Draw the rock cycle (see page 101 in the book).

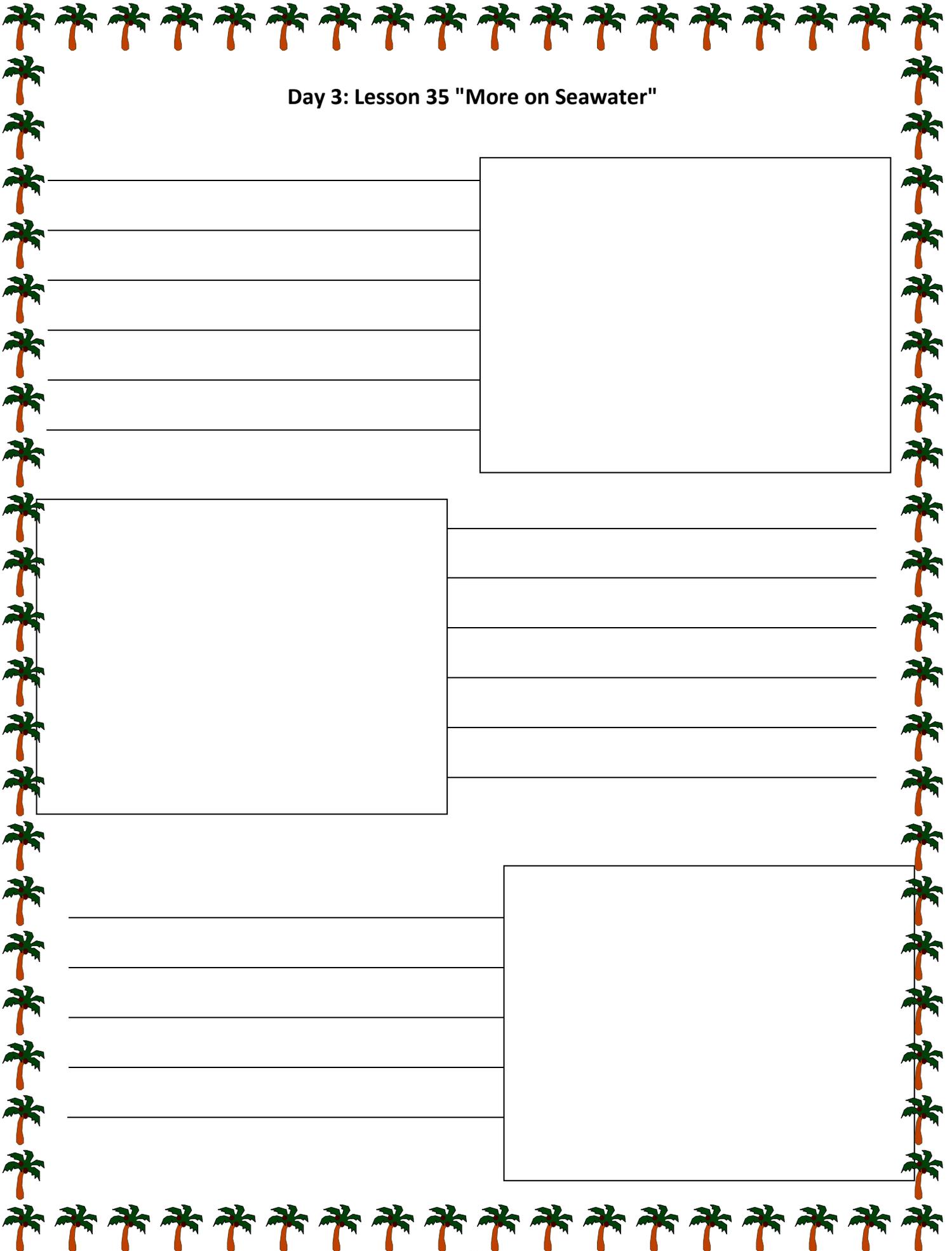


Explain the rock cycle in your own words.

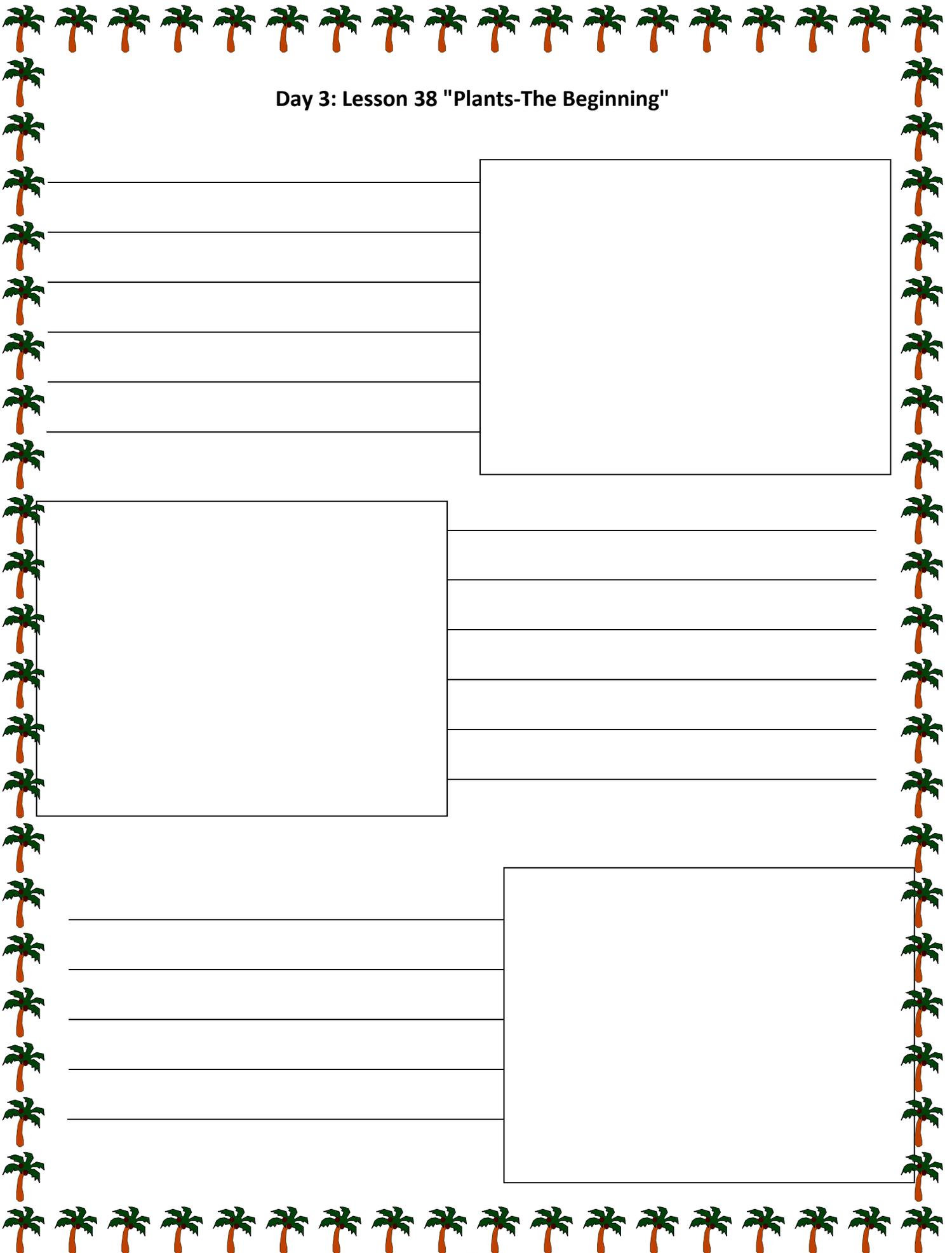
Day 3: Lesson 34 "The Water in the Sea"



Day 3: Lesson 35 "More on Seawater"



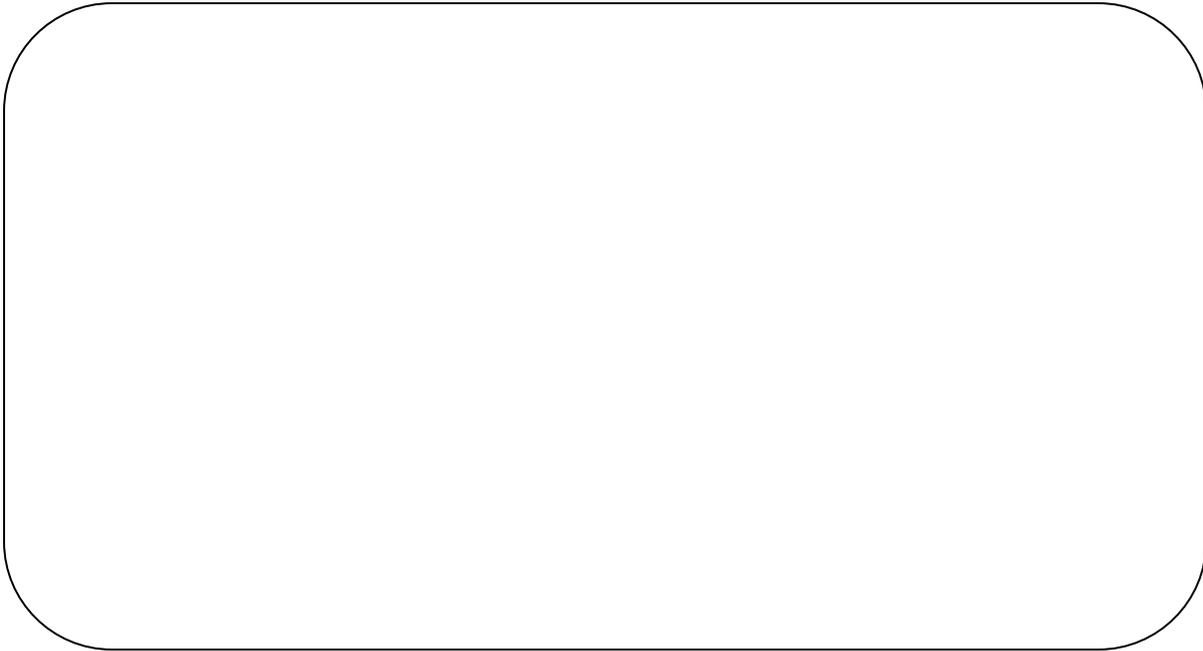
Day 3: Lesson 38 "Plants-The Beginning"



Day 3: Lesson 38

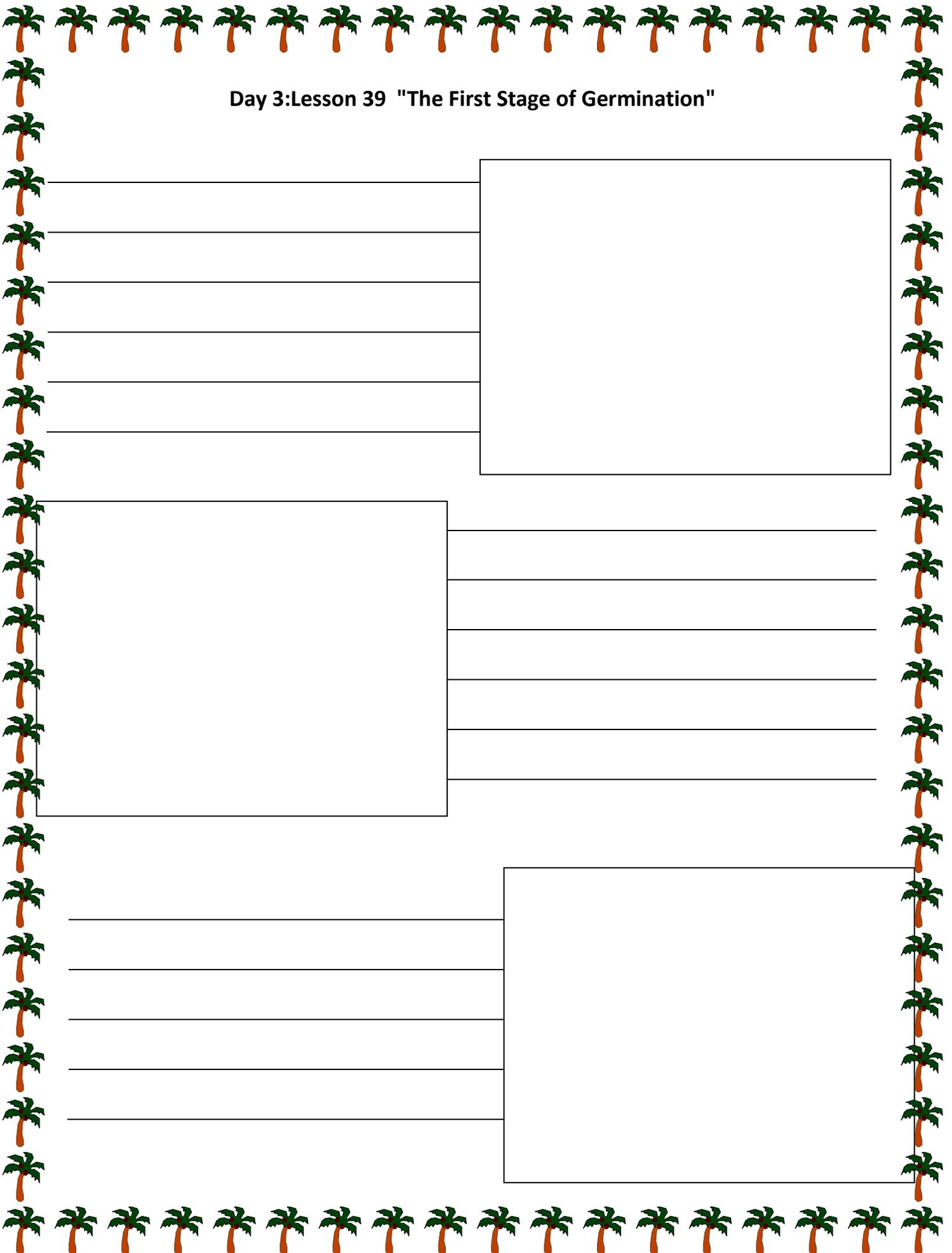
"Plants – The Beginning"

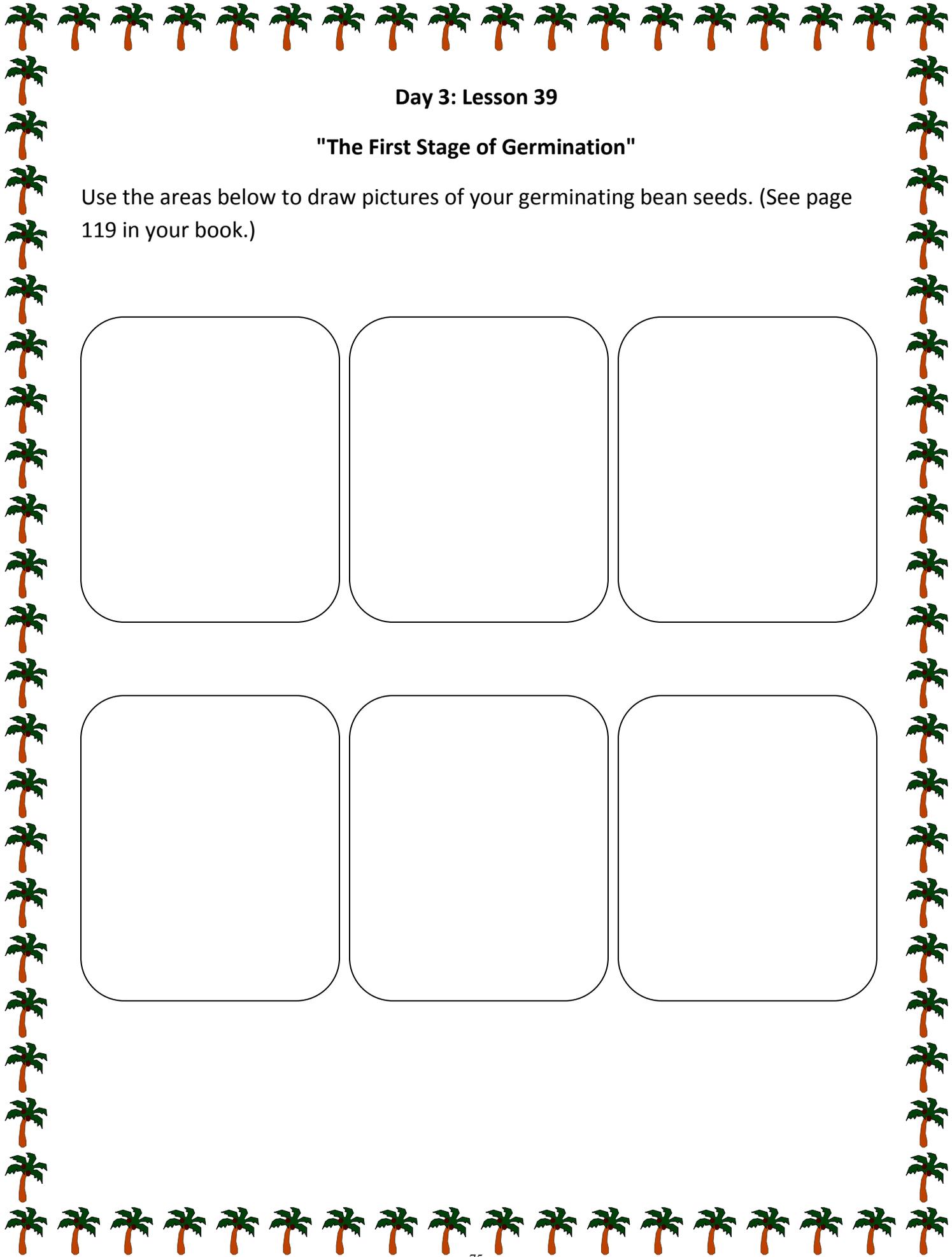
Draw a picture of your opened-up bean seed, labeling the cotyledons and the embryo



Explain what the cotyledons are for and what the embryo will end up becoming.

Day 3: Lesson 39 "The First Stage of Germination"

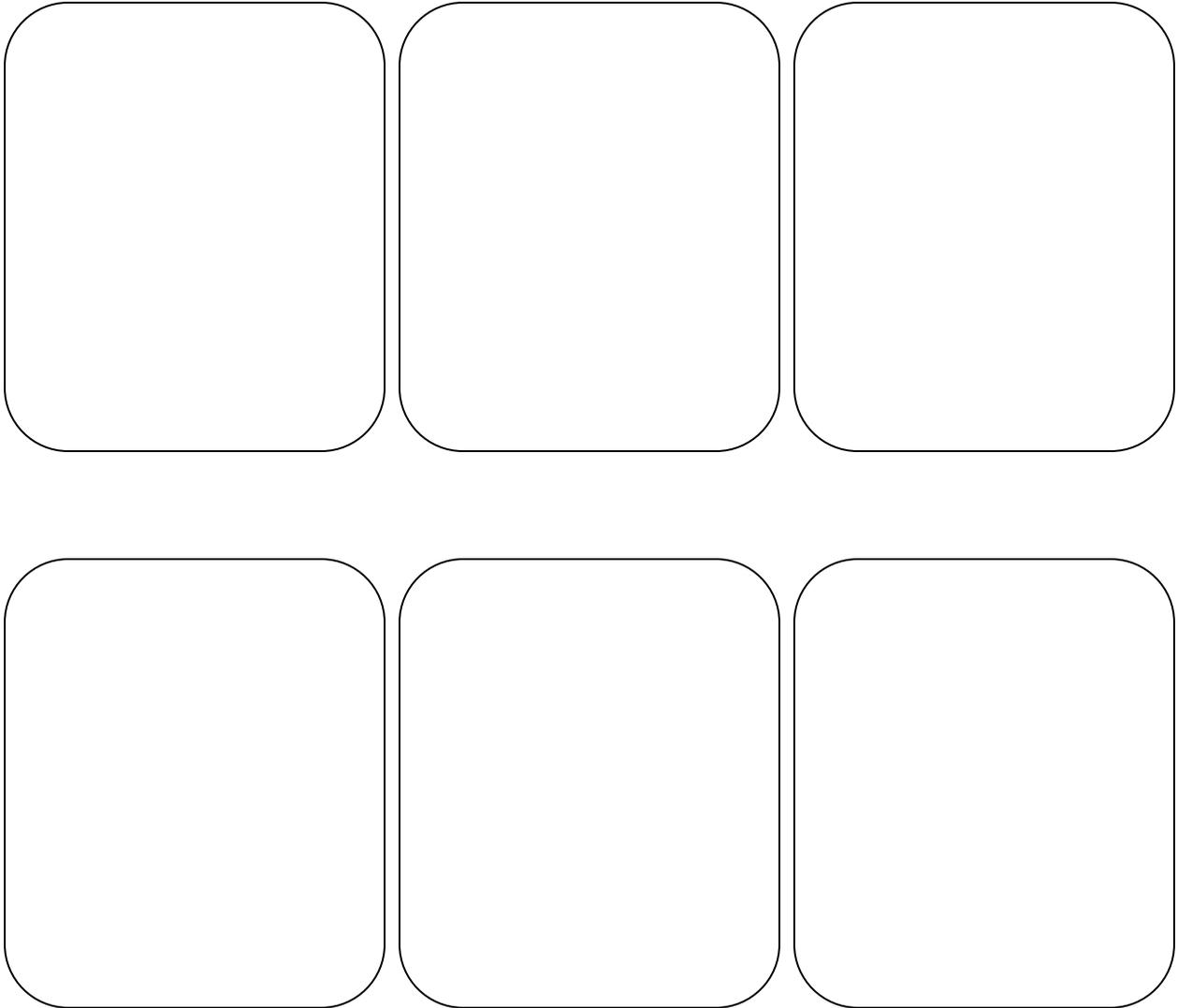


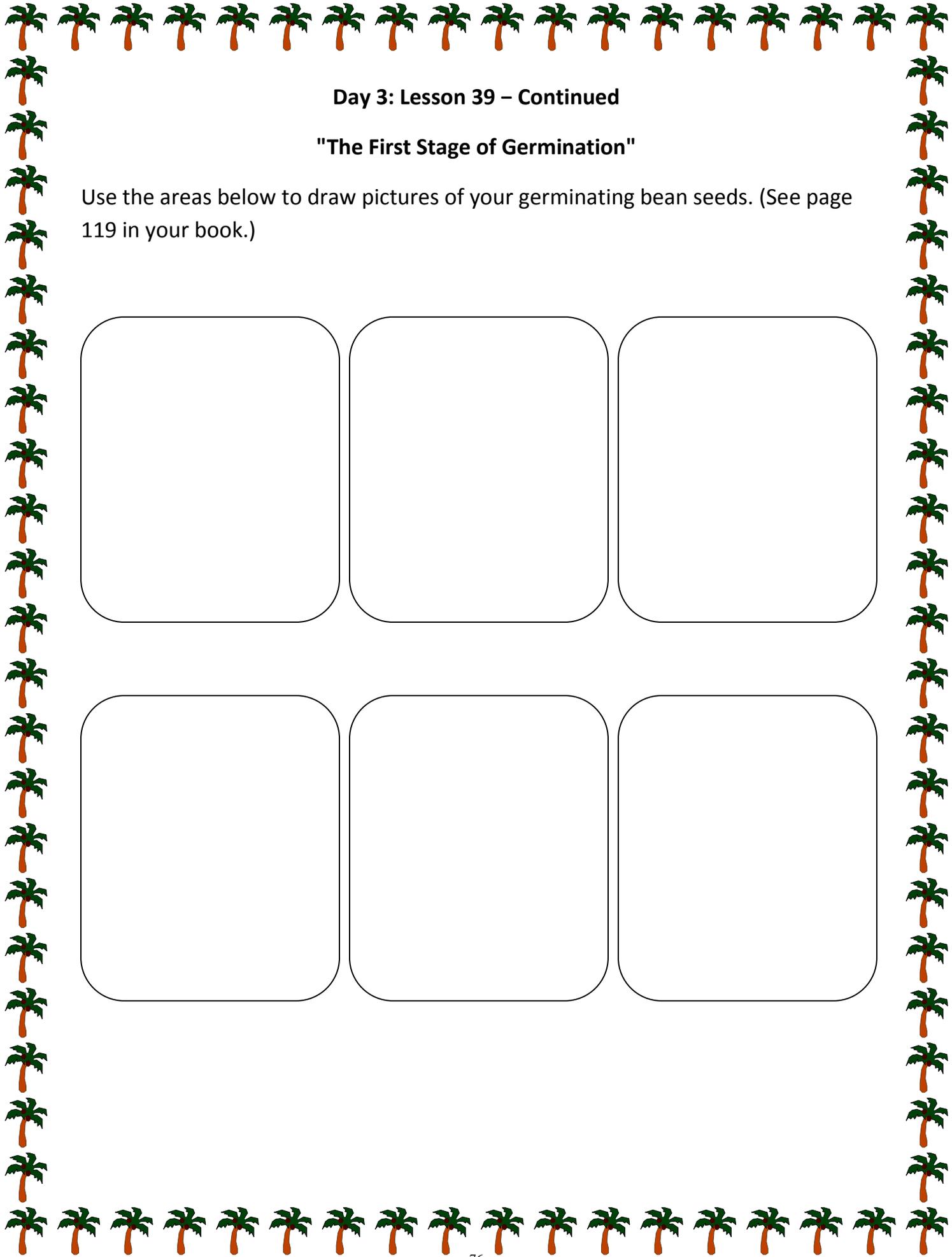


Day 3: Lesson 39

"The First Stage of Germination"

Use the areas below to draw pictures of your germinating bean seeds. (See page 119 in your book.)

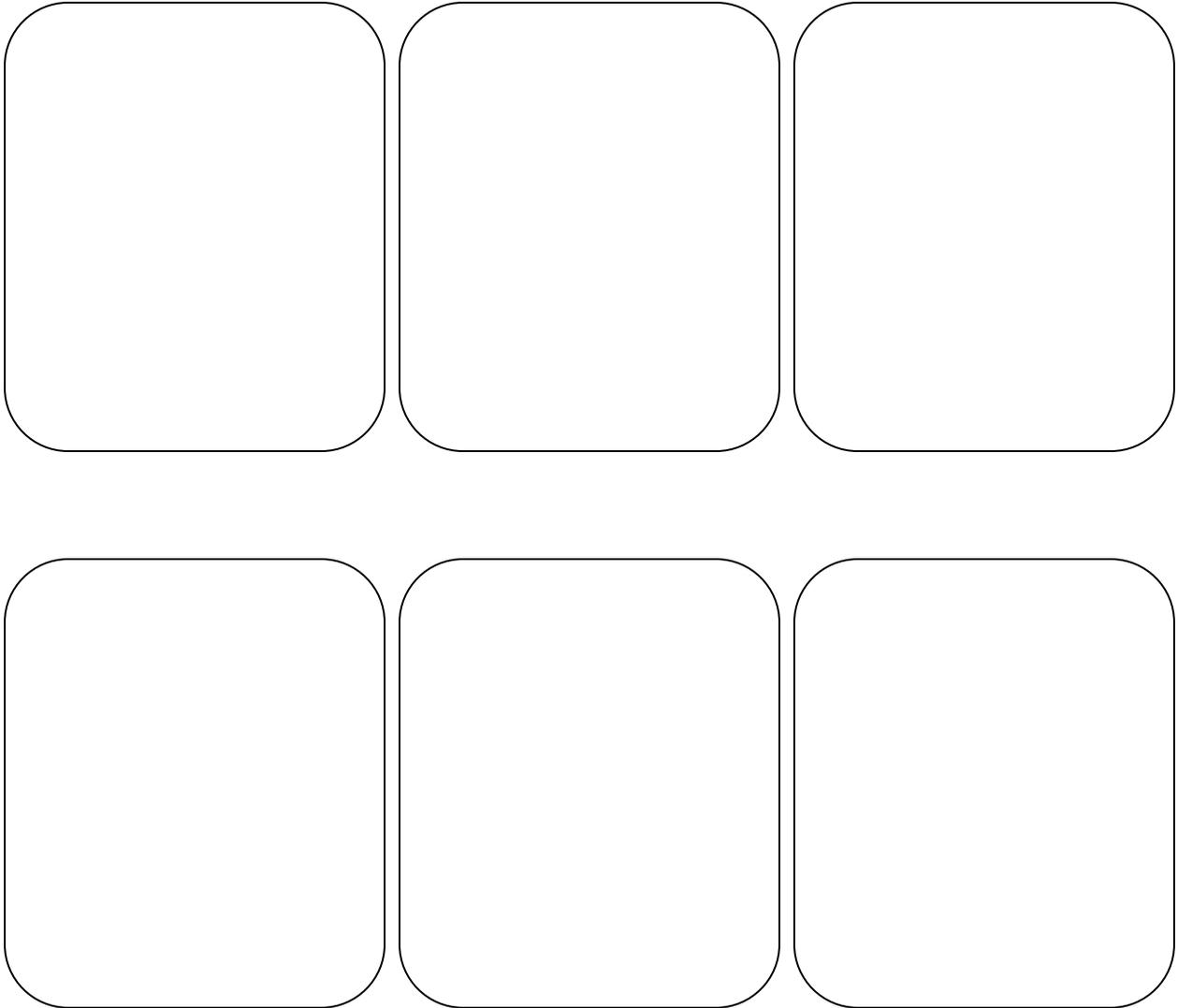


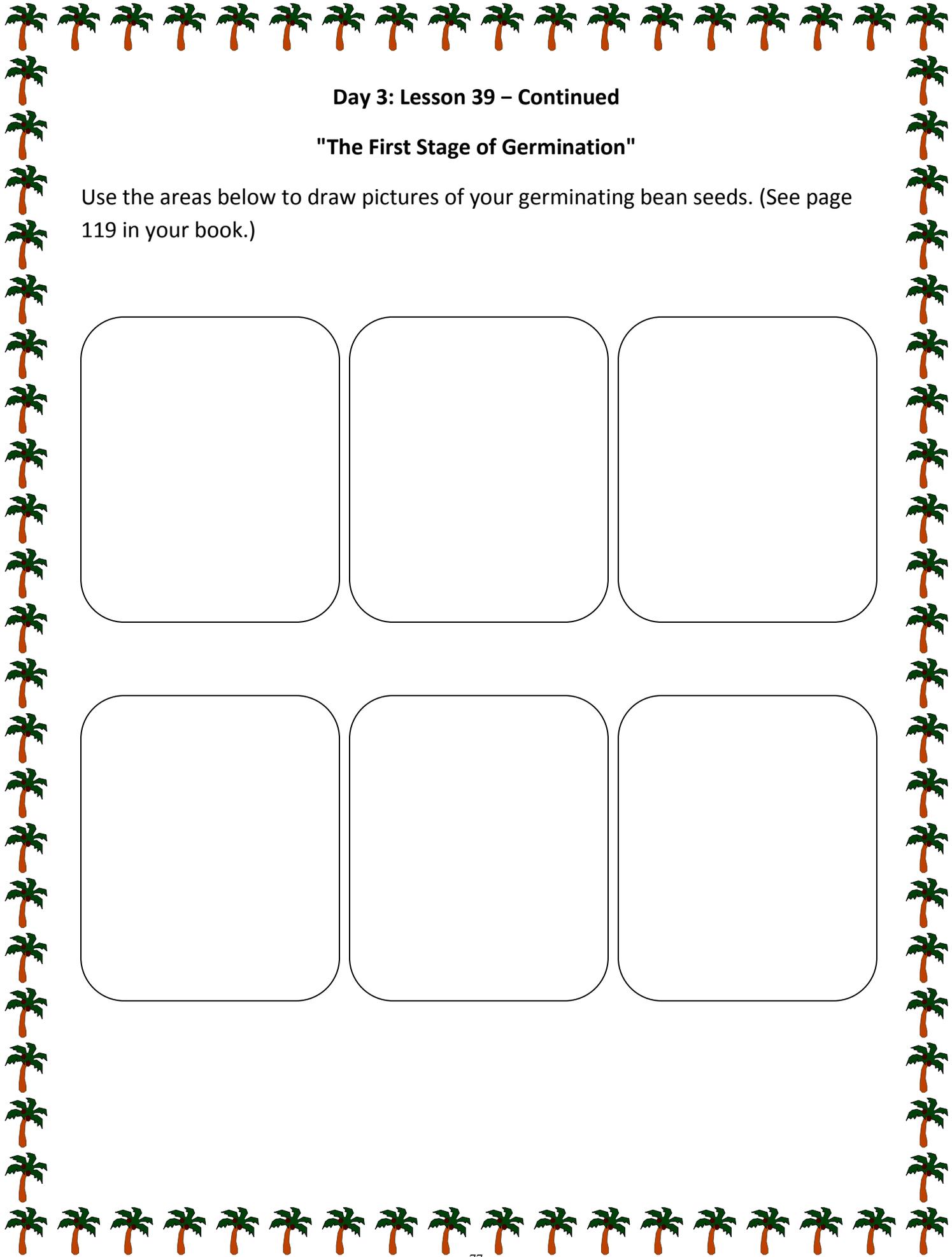


Day 3: Lesson 39 – Continued

"The First Stage of Germination"

Use the areas below to draw pictures of your germinating bean seeds. (See page 119 in your book.)

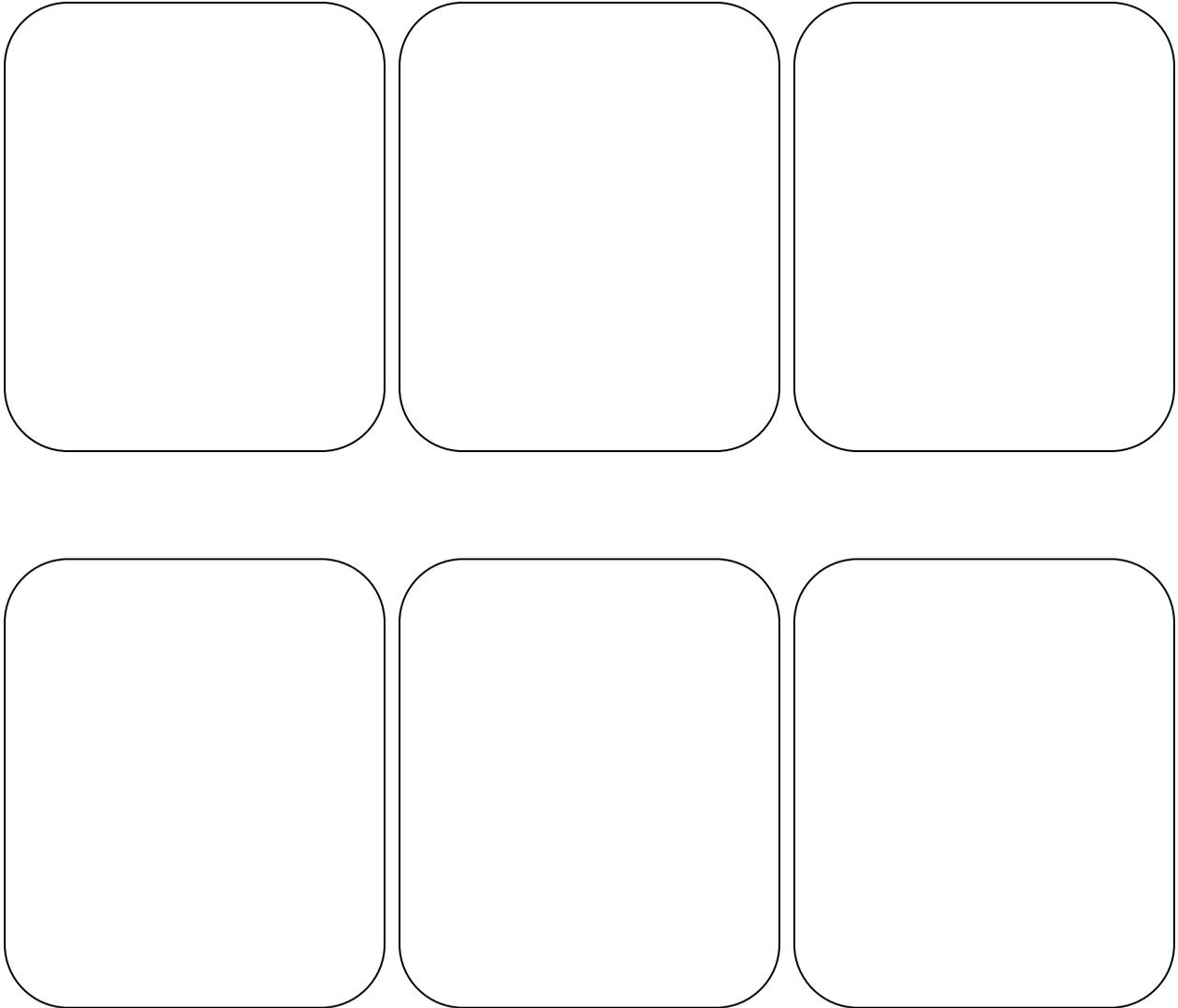




Day 3: Lesson 39 – Continued

"The First Stage of Germination"

Use the areas below to draw pictures of your germinating bean seeds. (See page 119 in your book.)





Day 3: Lesson 39 – Continued

"The First Stage of Germination"

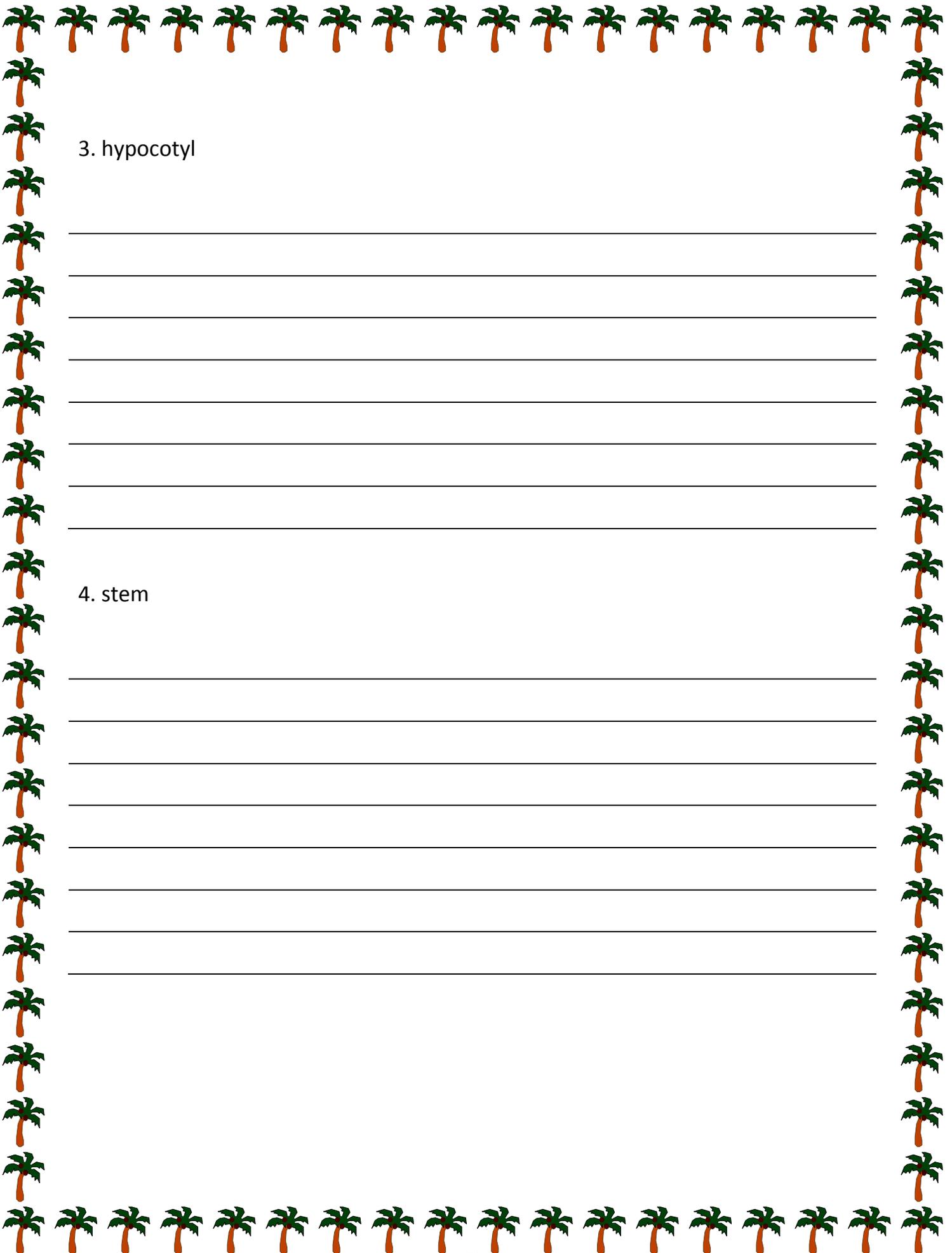
Go back over your drawings of your bean seeds and label the radicle and the primary root (if showing).

The Germination of a Seed

This section will be filled out over several days.

1. testa

2. root system



3. hypocotyl

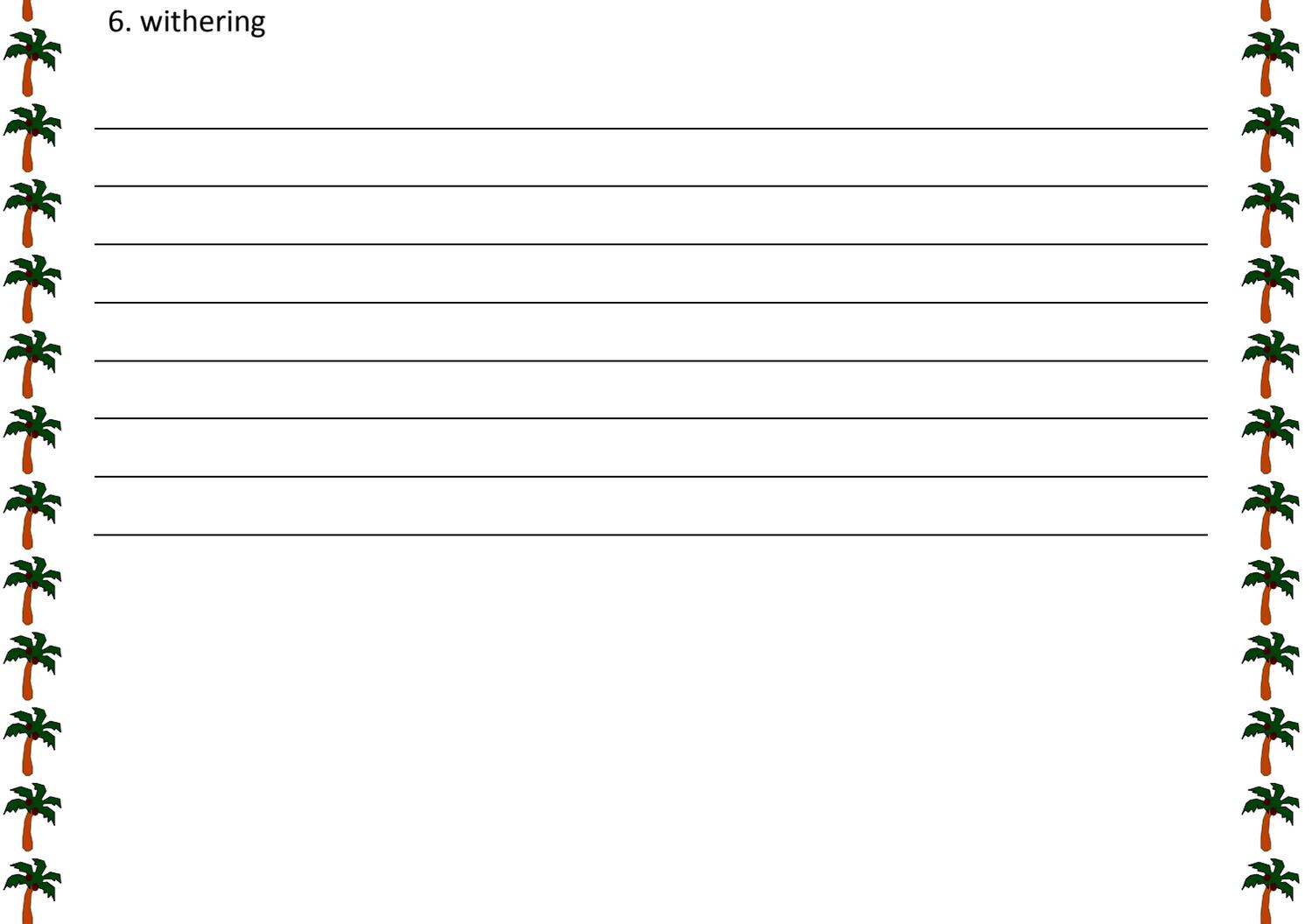
4. stem



5. true leaves

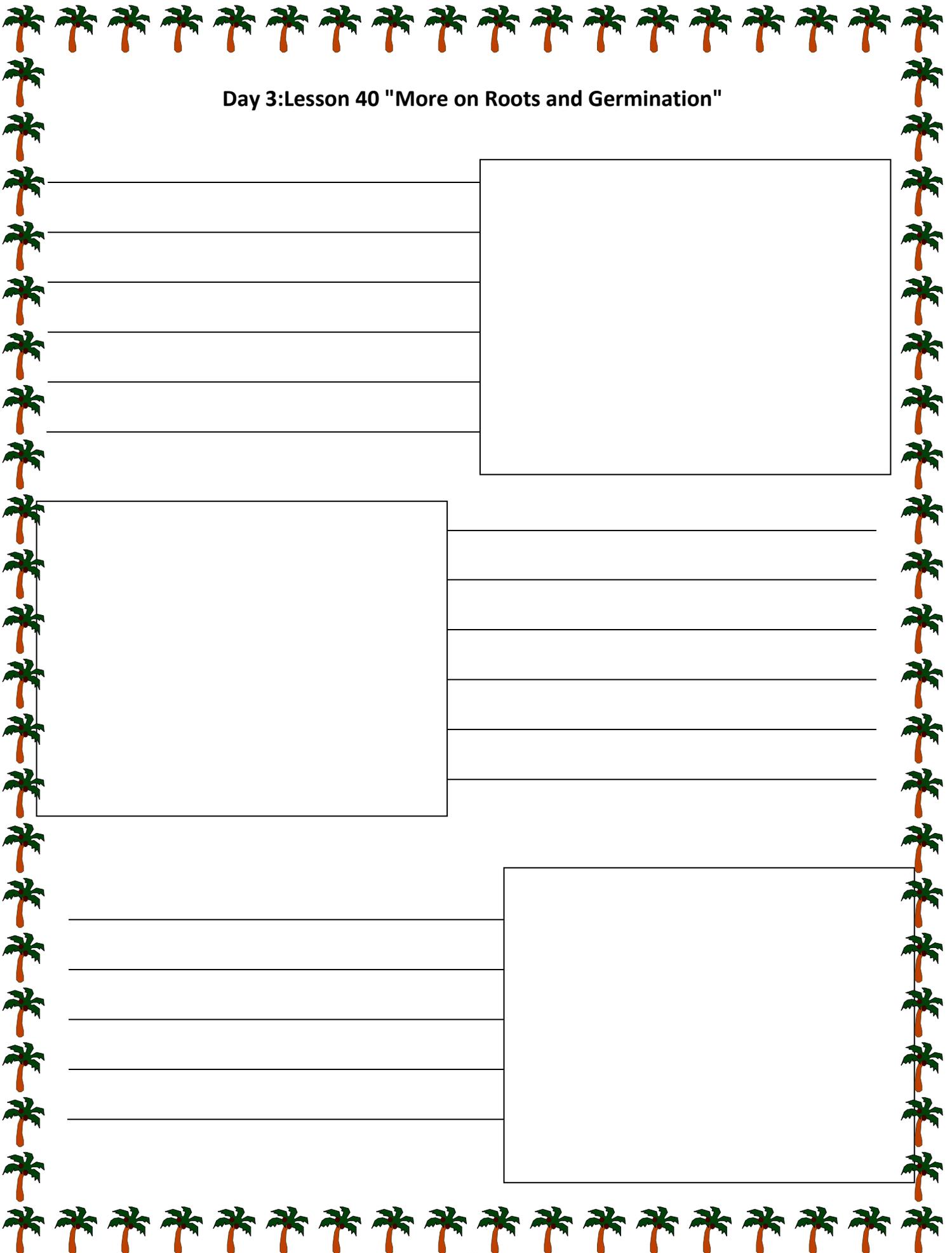


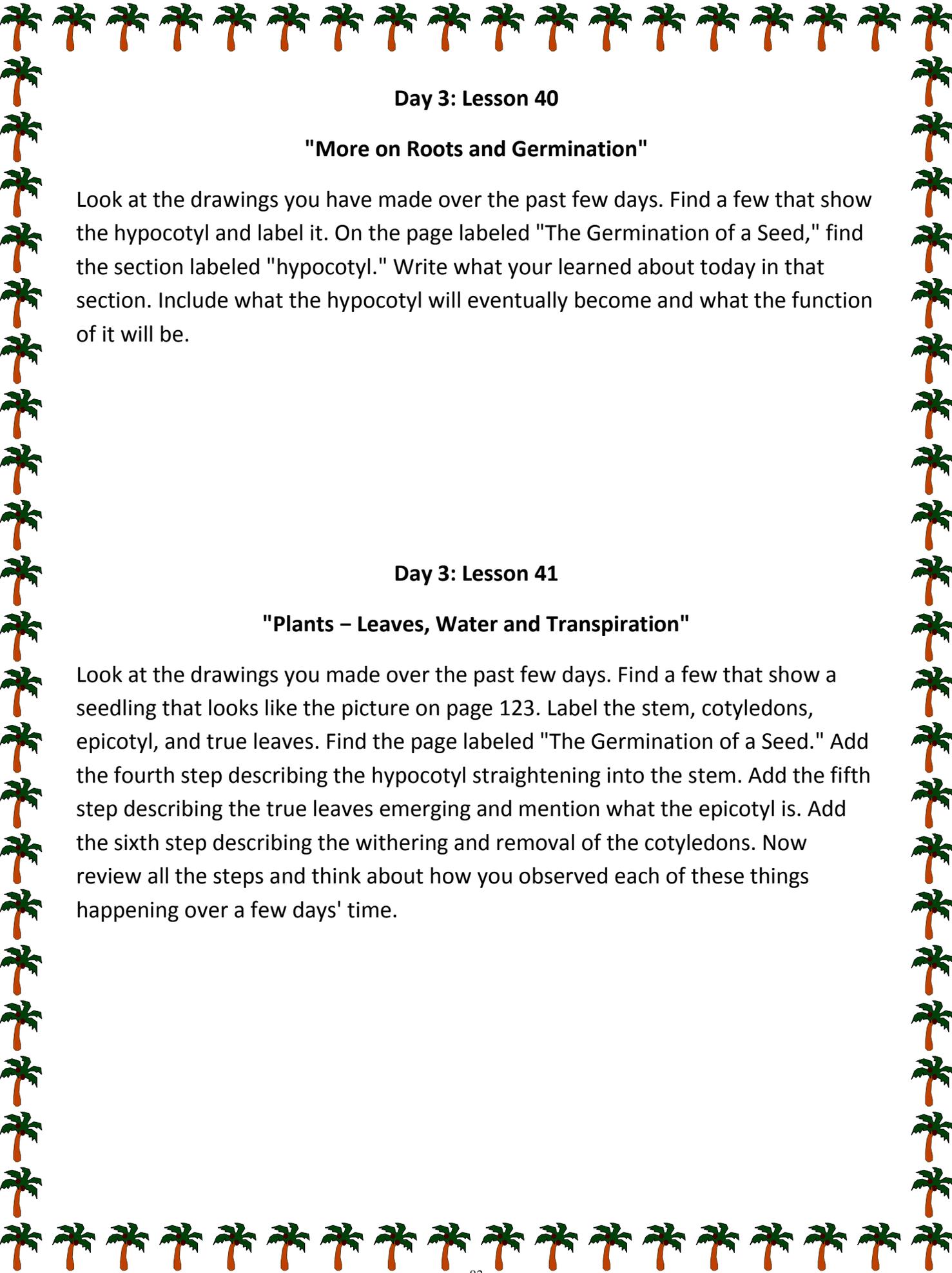
6. withering





Day 3: Lesson 40 "More on Roots and Germination"



A decorative border of palm trees surrounds the page. The border consists of a top row of 18 palm trees, a bottom row of 18 palm trees, and two vertical columns of 18 palm trees each on the left and right sides.

Day 3: Lesson 40

"More on Roots and Germination"

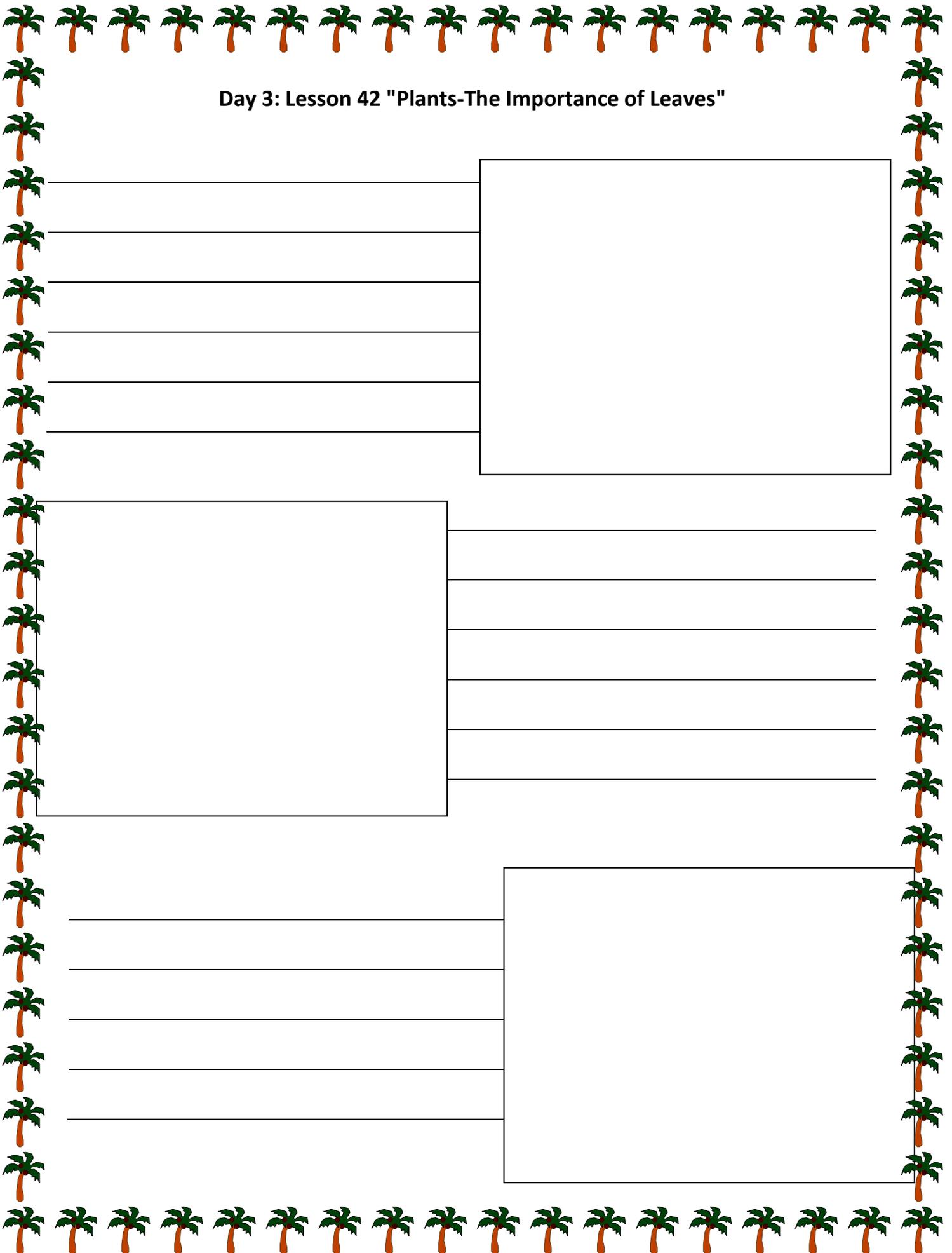
Look at the drawings you have made over the past few days. Find a few that show the hypocotyl and label it. On the page labeled "The Germination of a Seed," find the section labeled "hypocotyl." Write what you learned about today in that section. Include what the hypocotyl will eventually become and what the function of it will be.

Day 3: Lesson 41

"Plants – Leaves, Water and Transpiration"

Look at the drawings you made over the past few days. Find a few that show a seedling that looks like the picture on page 123. Label the stem, cotyledons, epicotyl, and true leaves. Find the page labeled "The Germination of a Seed." Add the fourth step describing the hypocotyl straightening into the stem. Add the fifth step describing the true leaves emerging and mention what the epicotyl is. Add the sixth step describing the withering and removal of the cotyledons. Now review all the steps and think about how you observed each of these things happening over a few days' time.

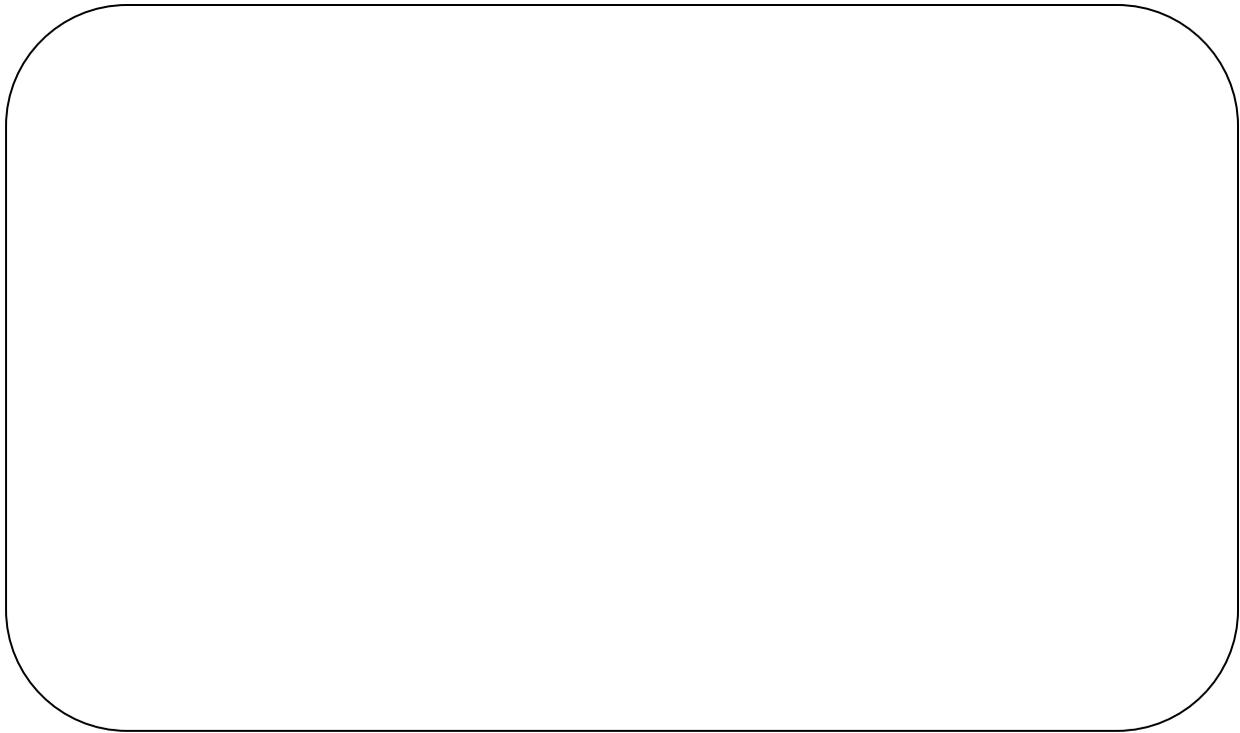
Day 3: Lesson 42 "Plants-The Importance of Leaves"



Day 3: Lesson 42

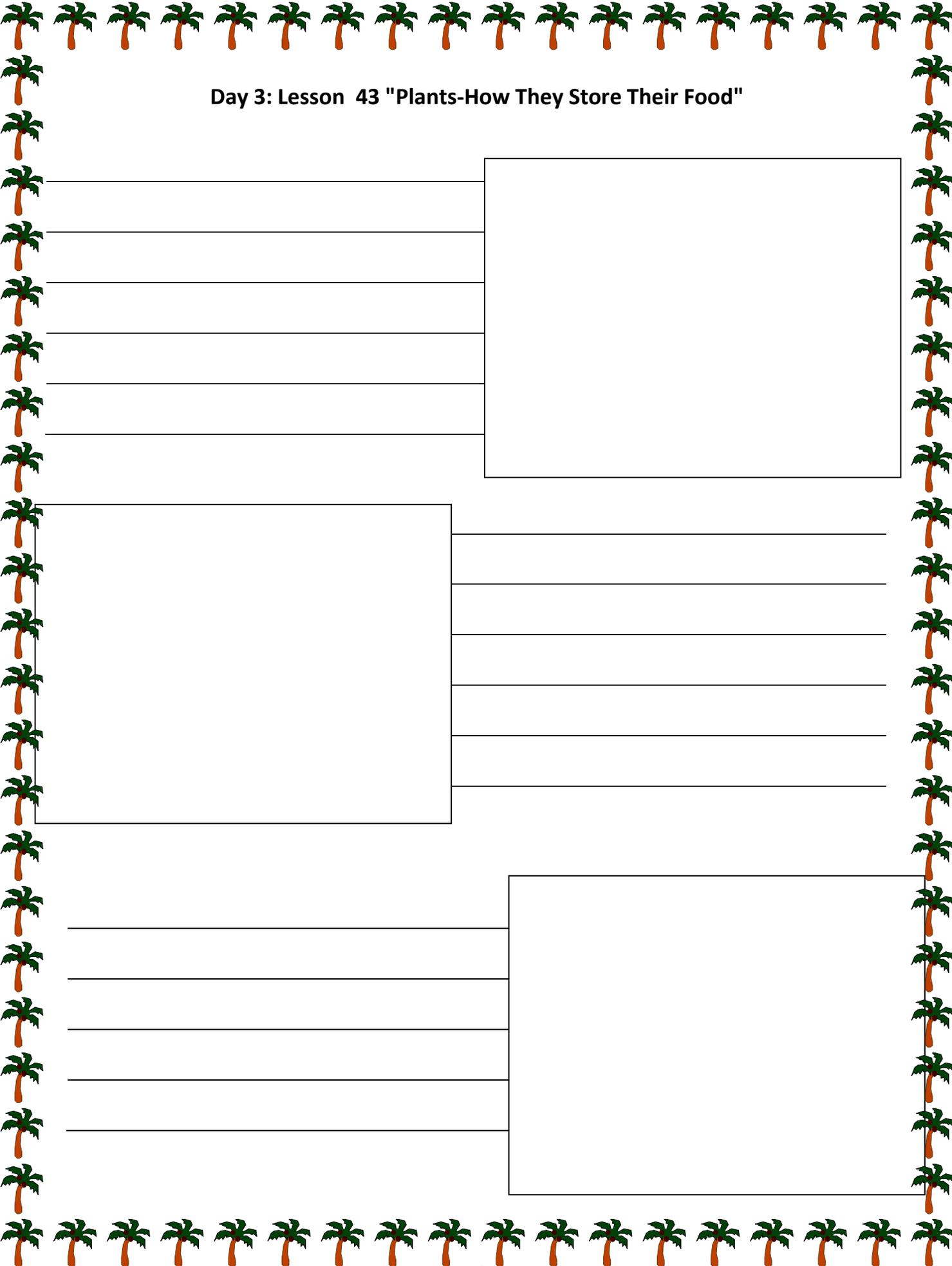
"Plants – The Importance of Leaves"

First, go back and fill in the page labeled "Photosynthesis". Below, draw a plant showing its roots, stem, and leaves. Label those three things.



Explain the job of the roots, the stem, and the leaves.

Day 3: Lesson 43 "Plants-How They Store Their Food"





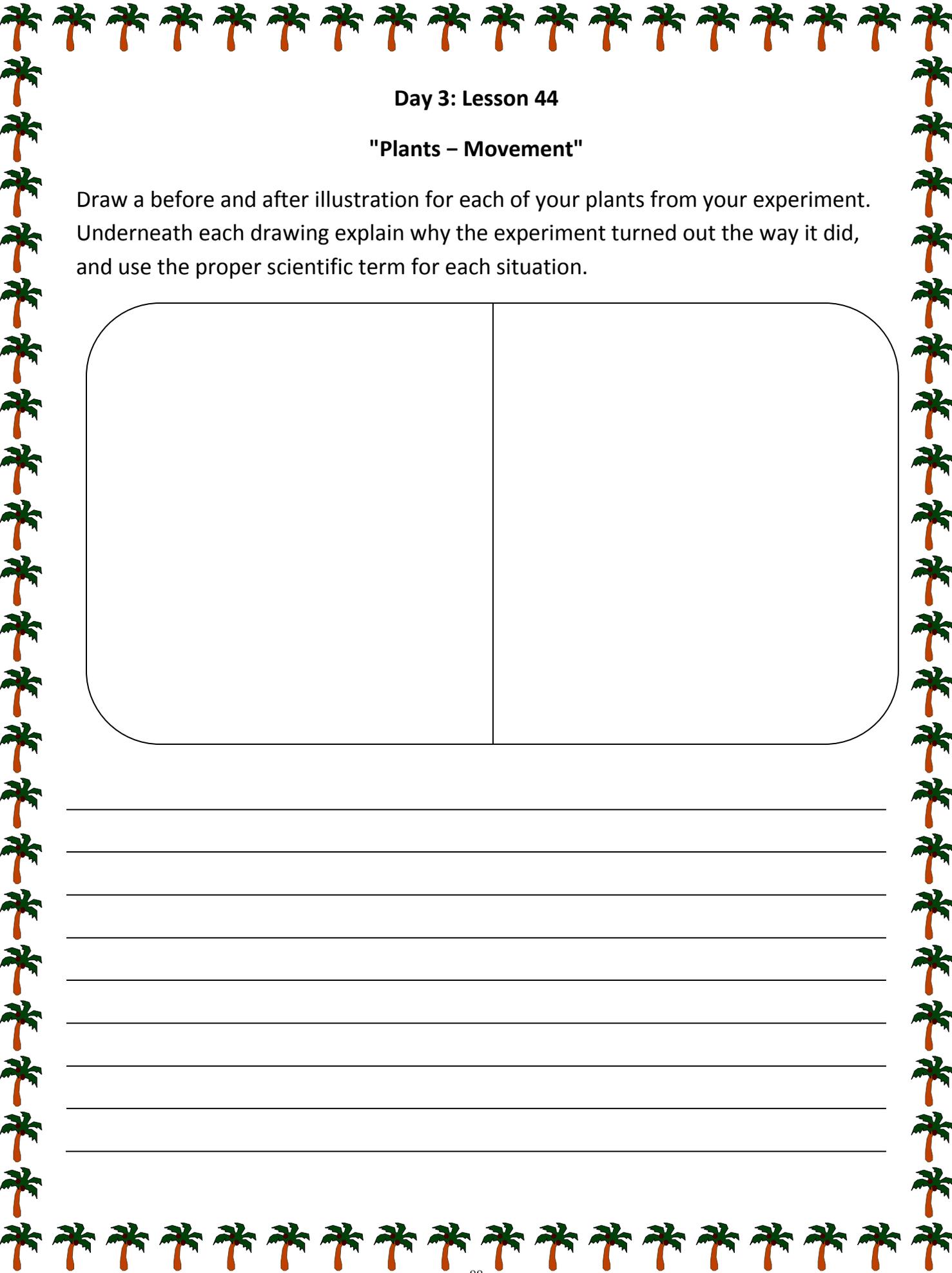
Day 3: Lesson 43

"Plants – How They Store Their Food"

Results from experiment:

Substance	Color
Iodine	
Bread	
Potato	
Cracker	
Butter	
Celery	
Cheese	
Ripe banana	
Very green banana	
White paper	

Write an explanation of why the iodine turned dark on some of the things you tested, but not the other things. For those things that contained starch, explain why there is starch present.



Day 3: Lesson 44

"Plants – Movement"

Draw a before and after illustration for each of your plants from your experiment. Underneath each drawing explain why the experiment turned out the way it did, and use the proper scientific term for each situation.

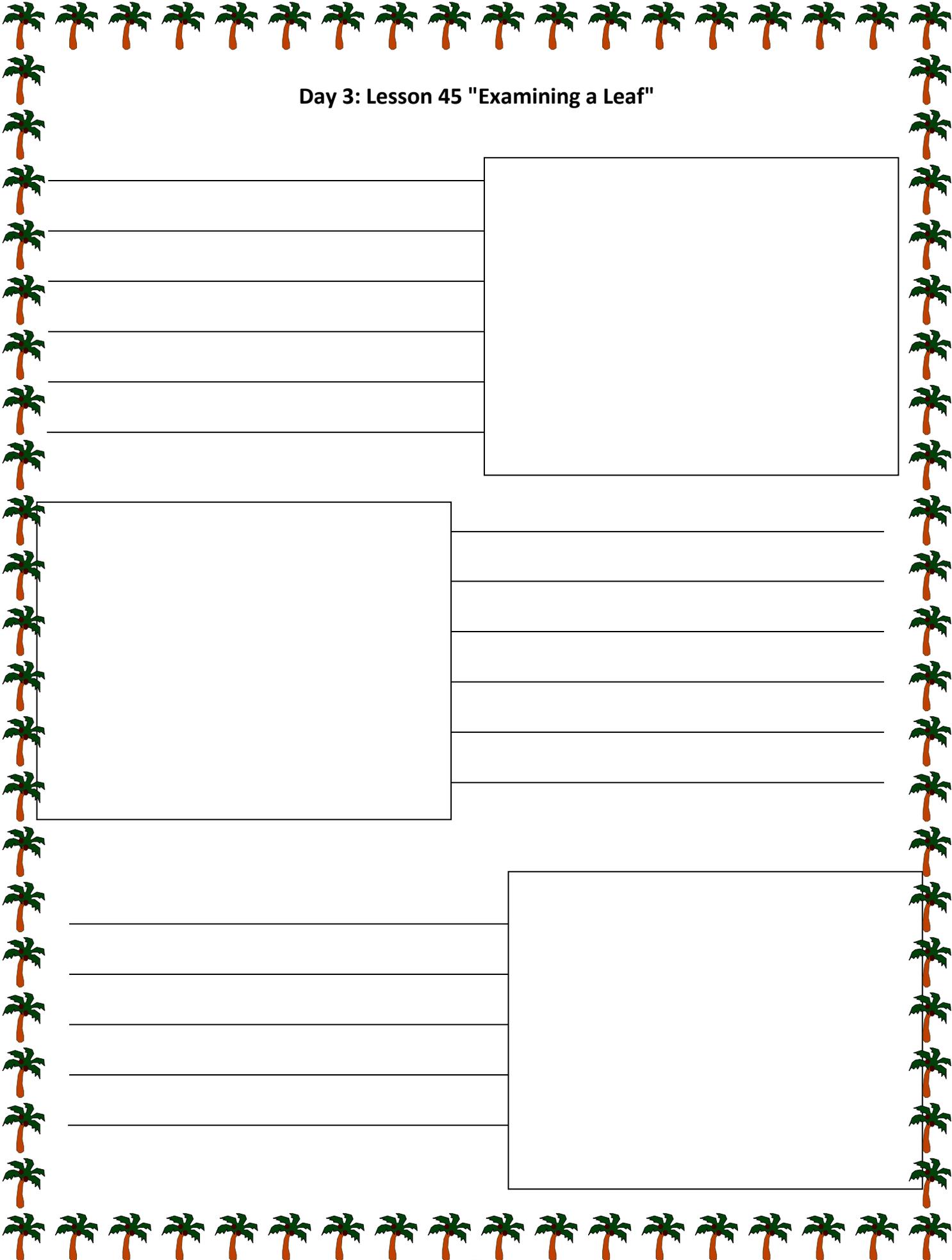
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Day 3: Lesson 44 – continued

"Plants – Movement"

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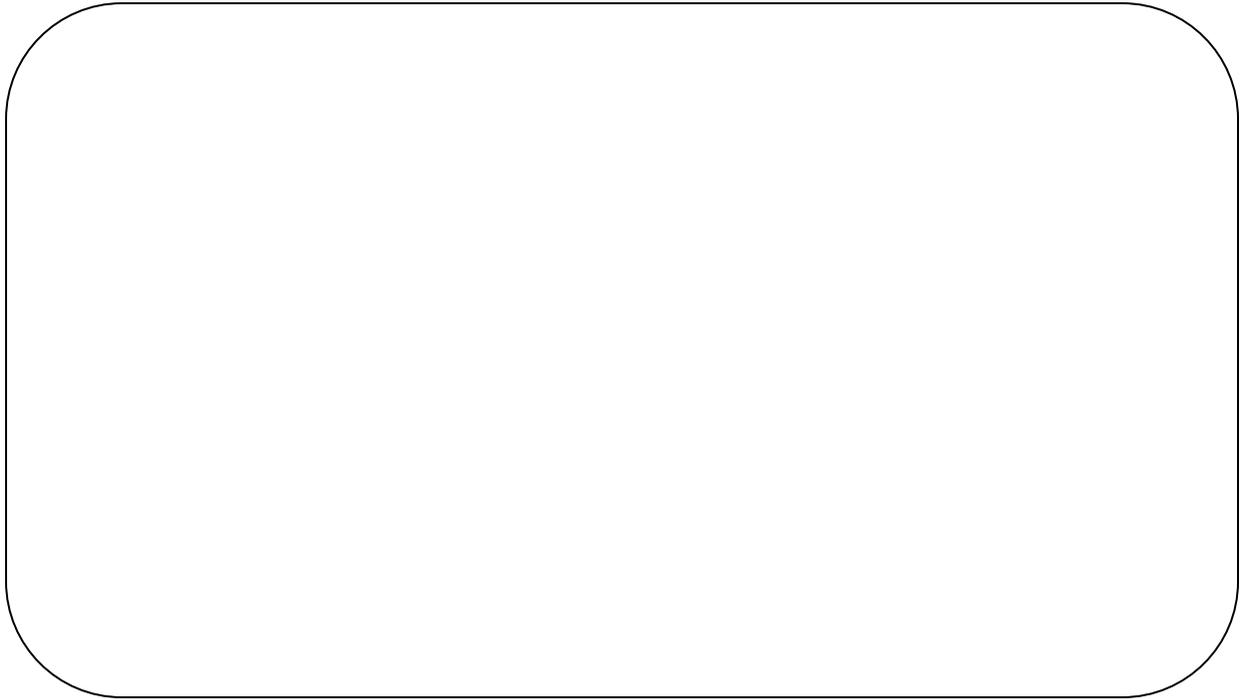
Day 3: Lesson 45 "Examining a Leaf"



Day 3: Lesson 45

"Examining a Leaf"

Draw your leaf and label the following things: petiole, midrib, other veins, blade, and apex.



Note which side of the blade is darkest and explain why. Also, note which side has the most stomata and explain why.

Day 4:
**Sun, Moon
and Stars**

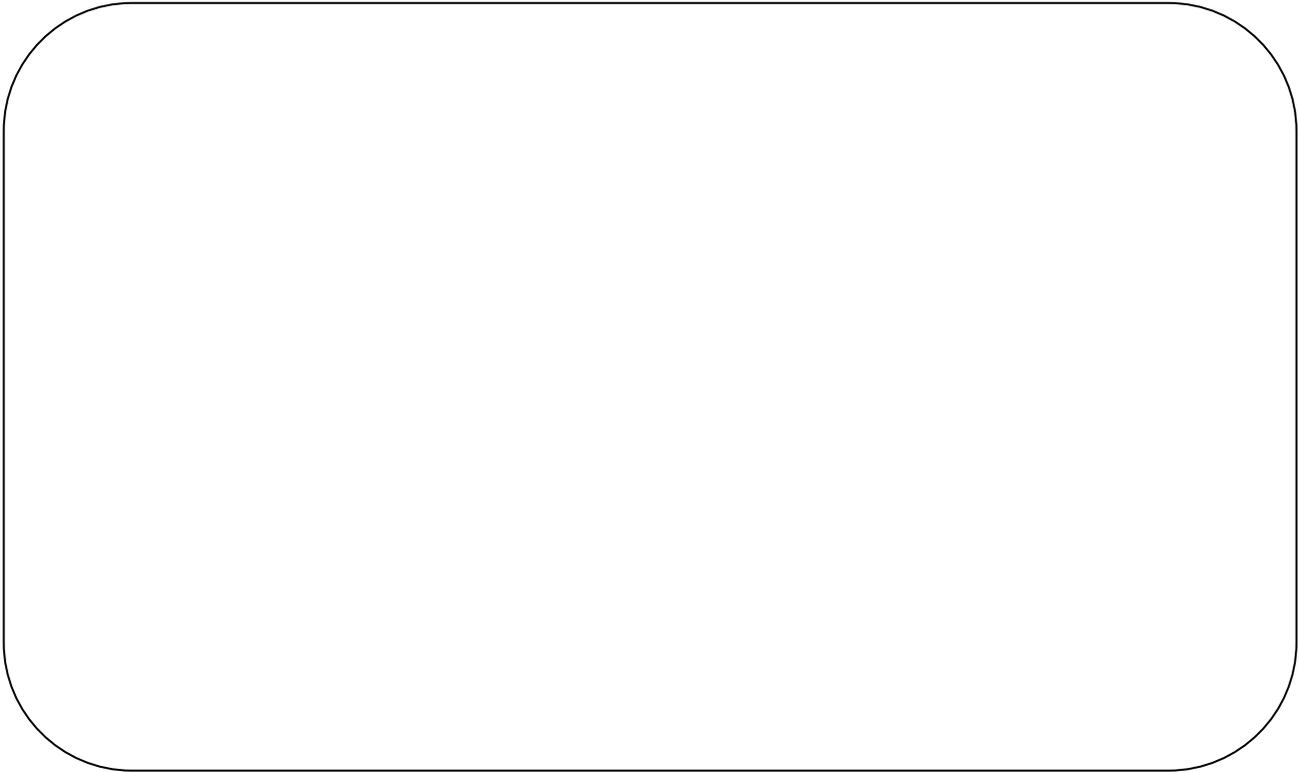


Day 4: Lesson 46 "The Sun"

Day 4: Lesson 46

"The Sun"

Draw what happened in your experiment, as if you were looking at it from above. Draw the toothpick as a dot on the paper, because from above, that's what it would look like. Now draw a line for each of the three shadows you marked. Try to accurately show what happened to both the length and the position of the shadow.



Explain why both changed

Day 4: Lesson 47 "Using the Sun to Mark Time"

Day 4: Lesson 47

"Using the Sun to Mark Time"

Explain how a sundial tells the time of day.

Draw a picture of a sundial like the one on pg 144. Draw a shadow coming from the gnomon that indicates it is 11:00 AM. Also, indicate what time of day the sun is highest in the sky.

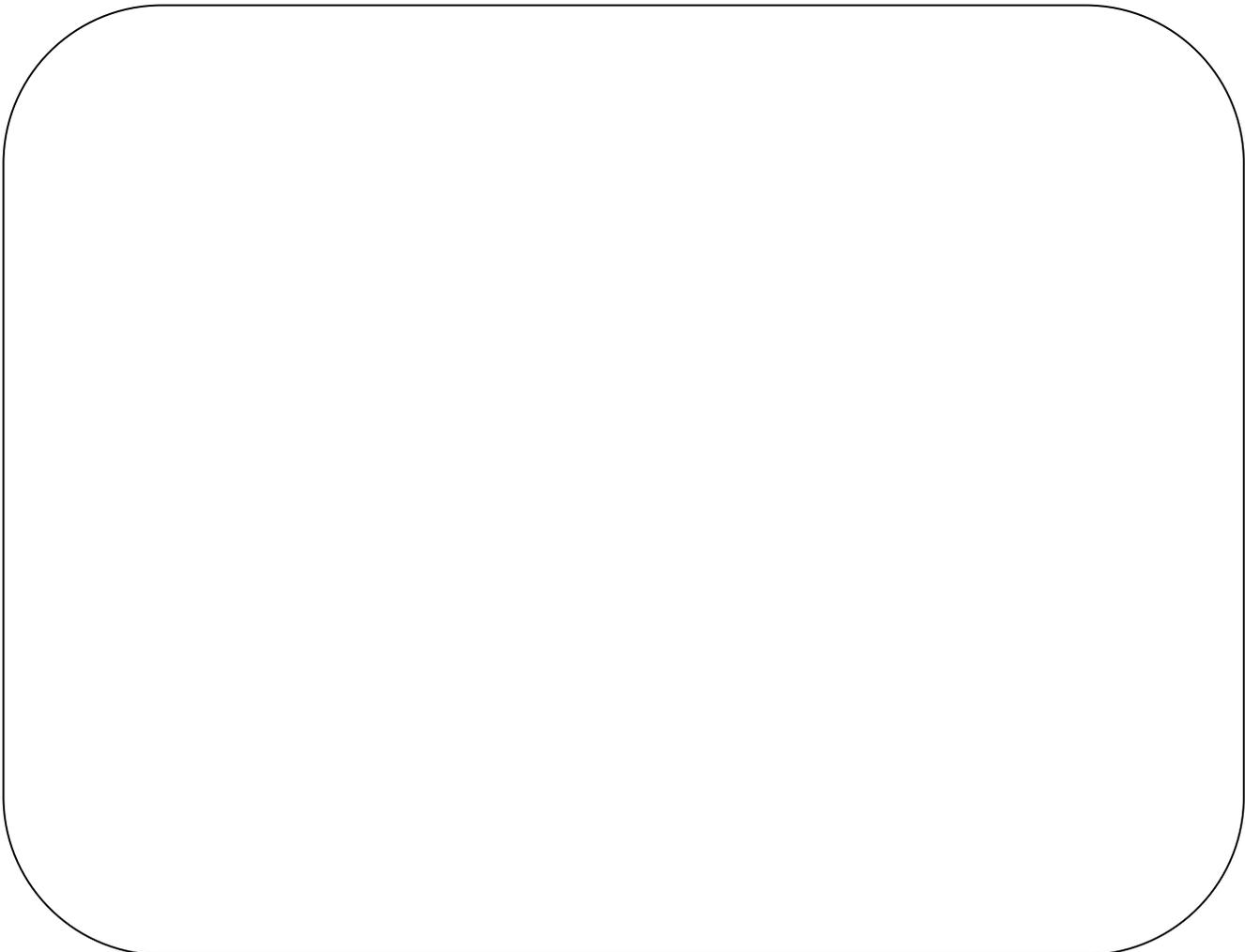


Day 4: Lesson 48 "Colors in the Sky"

Day 4: Lesson 48

"Colors in the Sky"

Make a drawing that explains why a sunset looks yellow, orange and red. Draw a scene like the one on page 147. Then, draw three arrows coming from the sun. Make one blue to represent Mr. Light's last name (Biv). Make one green to represent Mr. Light's middle initial. Make the other red to represent Mr. Light's first name (Roy). The blue and green arrows should start out traveling towards the person, but then they should change direction and end up pointing away from the person to represent the fact that they bounced off some dust in the air and didn't reach the person's eyes. However, the red arrow should travel straight to the person's eyes.



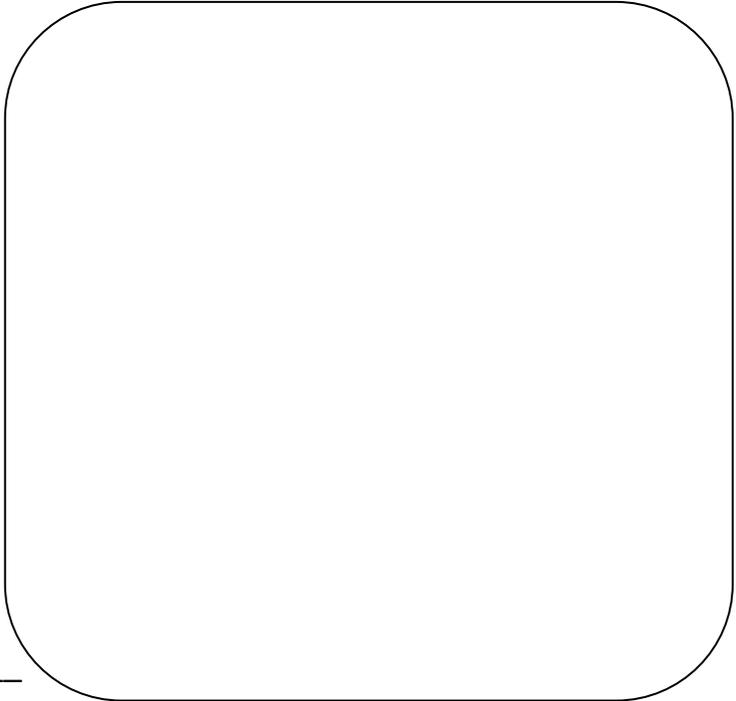


Day 4: Lesson 49 "What is Moving?"

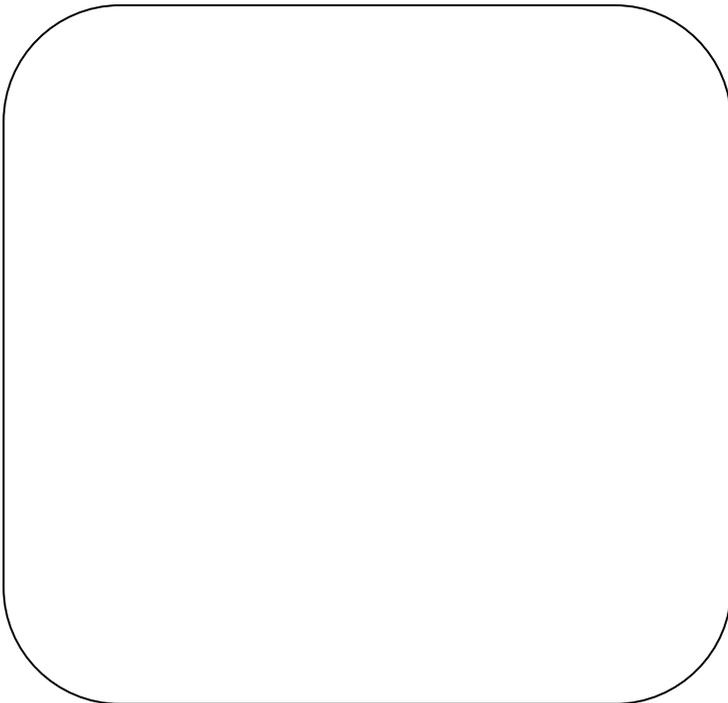
Day 4: Lesson 49

"What is Moving? "

Draw a picture that shows the sun moving around the earth in a circle. Use motion lines (see picture on pg 150) to give the impression of motion. The green lines on pg 150 are motion lines, illustrating the top is spinning. Do the same in your drawing to indicate the motion of the sun.



Explain how this could turn night into day. _____



Draw a picture that shows the sun sitting still and the earth rotating. Use motion lines to indicate the motion of the earth.

Explain how this could turn night into day.

Which drawing is correct?

Day 4: Lesson 50 "All of Earth's Motion"

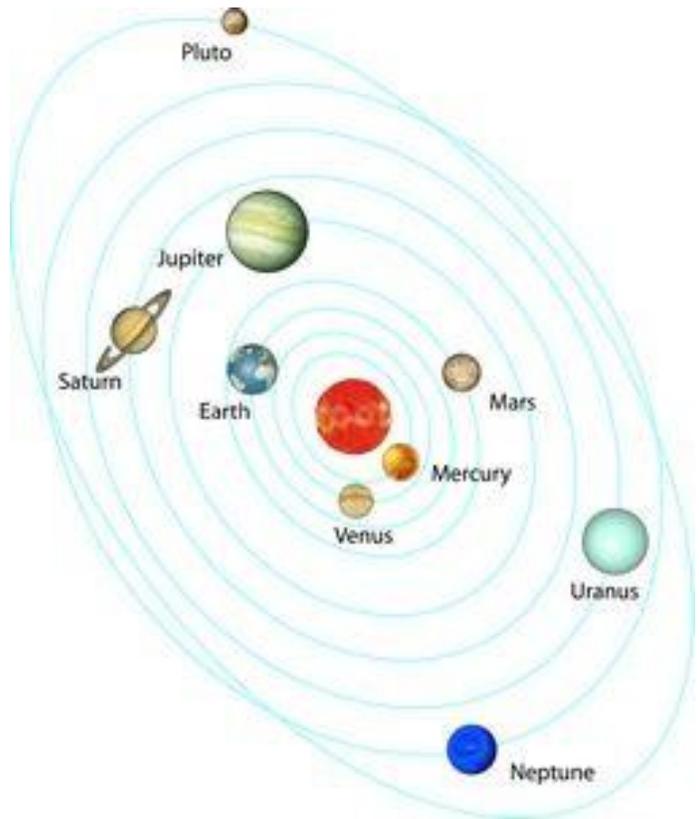
Day 4: Lesson

"All of Earth's Motion"



Draw a picture above that shows the earth orbiting the sun and at the same time rotating. Use motion lines like you did in the previous lesson. Explain below how we use the orbit of the earth around the sun to keep track of the years and the rotation of the earth to keep track of the days. Note how many times the earth rotates when it makes one full orbit around the sun.

Day 4: Lesson 51 "The Solar System"



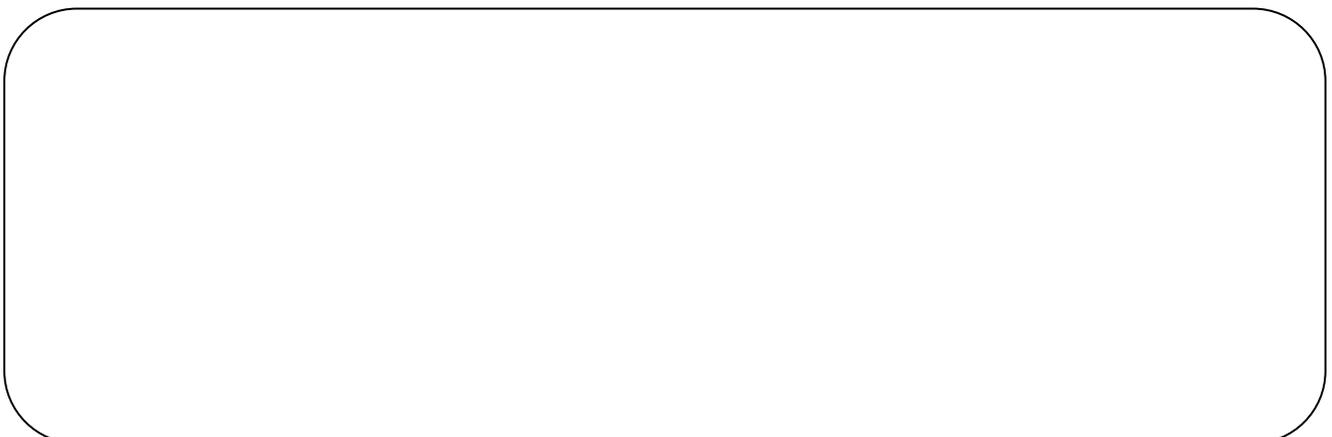
Day 4: Lesson

D you know what a mnemonic is? It is a phrase that helps you remember something. Do you remember how Roy G. Biv helped you remember the colors of the rainbow? Here is another example: If you want to remember what the lines of a music staff represent, you could remember "Every Good Boy Does Fine." This tells you the lines of a music staff represent the notes E, G, B, D and F. Make up a mnemonic that helps you remember the order of the planets, starting with Mercury and ending with Neptune (or Pluto). Don't worry about the asteroid belt.

M	V	E	M

J	S	U	N	P (opt)

Draw the Solar System Below (use your mnemonic to help you)



Day 4: Lesson 52 "More on the Solar System"

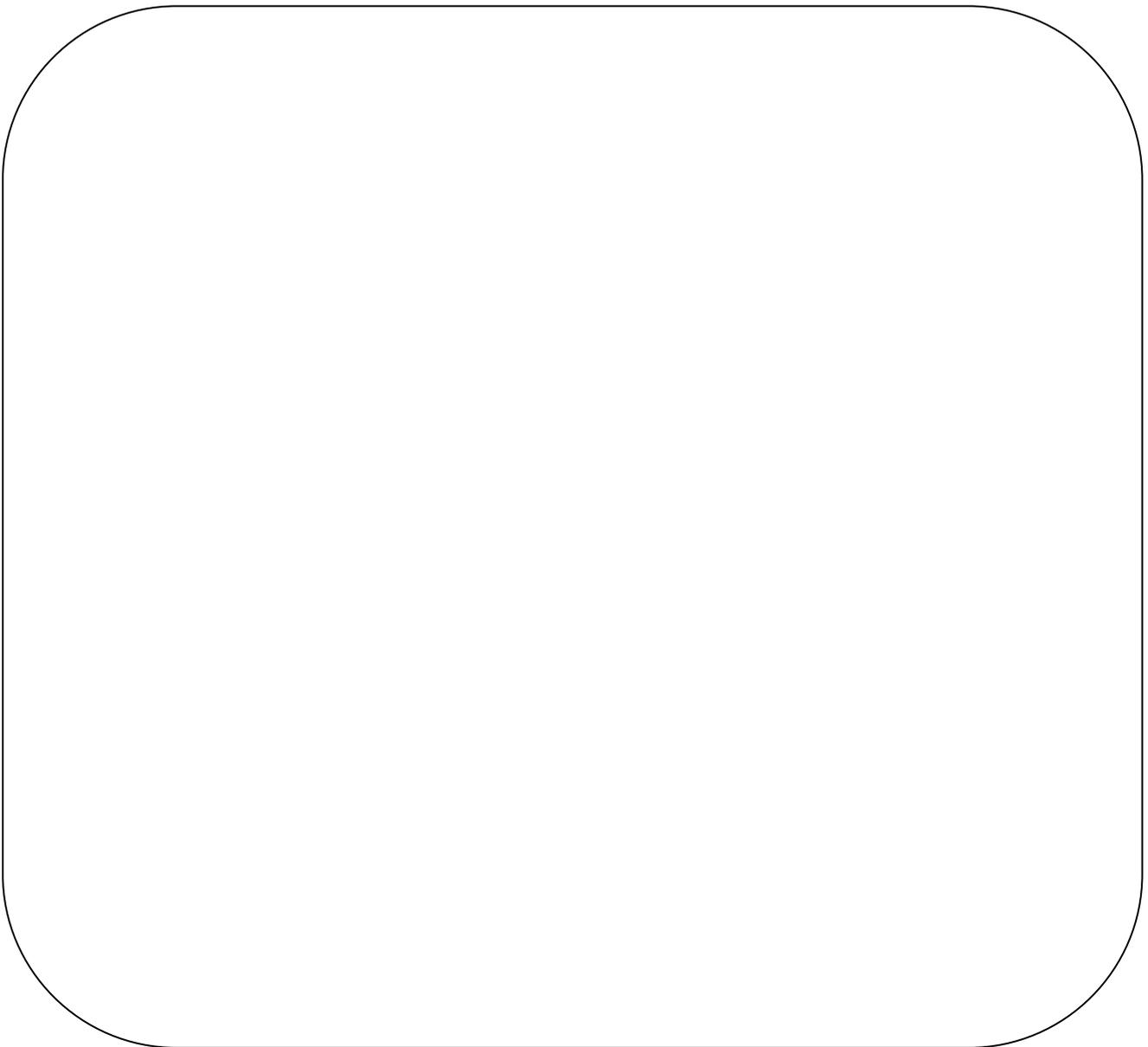
Day 4: Lesson 53 "The Moon"



Day 4: Lesson 53

"The Moon"

Make a drawing of your experiment as if you were looking at it from above. You don't have to draw yourself, but draw the stool and the flashlight. Then draw the ball in the four positions that were described in the experiment (with your back to the flashlight, facing the flashlight, and both sides towards the flashlight.) Draw the ball as you saw it. Now compare that to the drawing on page 161. For each position in your drawing, indicate the phase of the moon you were simulating.

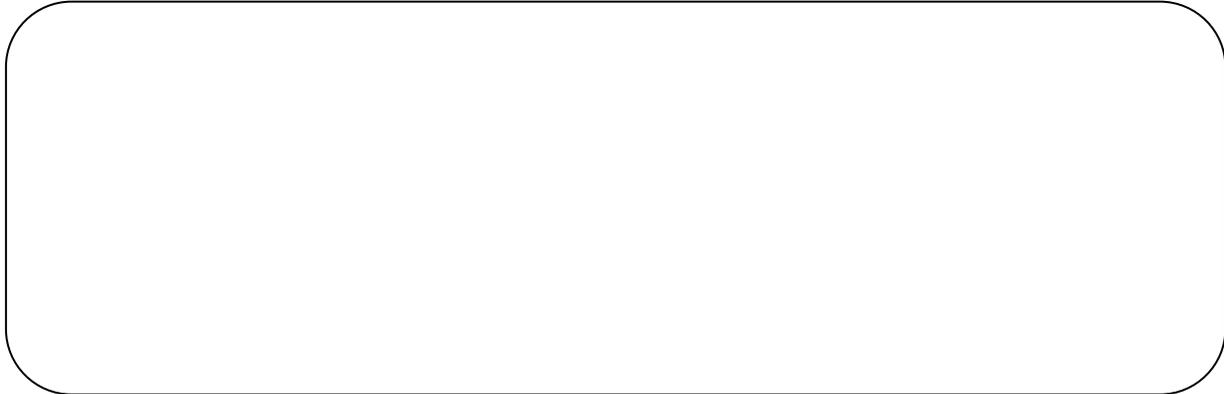


Day 4: Lesson 54 "How Big Is It?"

Day 4: Lesson 55 "Eclipses"

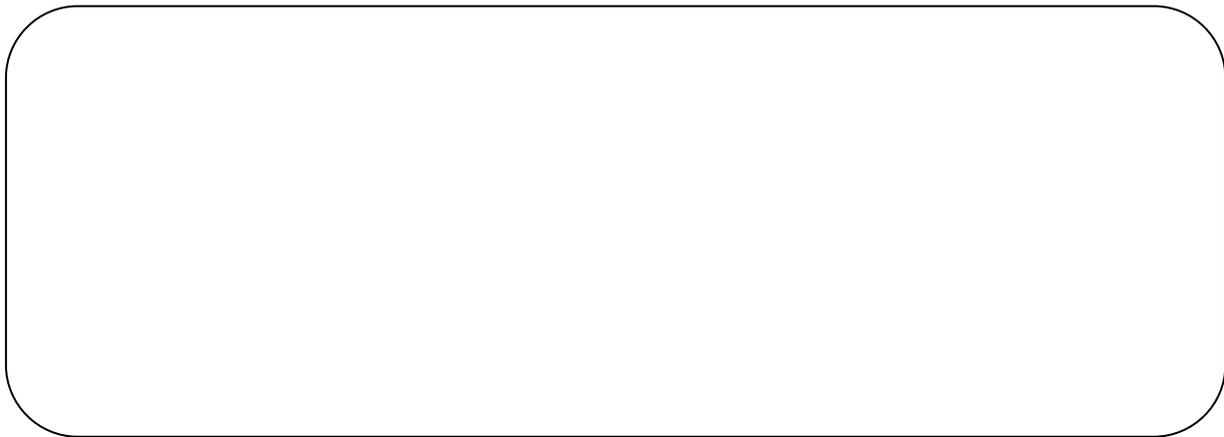
Day 4: Lesson 55 "Eclipses"

Draw a picture of how a solar eclipse happens.



Write an explanation of the solar eclipse.

Draw a picture of how a lunar eclipse happens.



Write an explanation of the lunar eclipse.

Day 4: Lesson 56 "Apparent Brightness"

Day 4: Lesson 56

"Apparent Brightness"

Explain how a star that burns very brightly might appear dimmer in the night sky than a star that doesn't burn nearly as brightly.



Also, explain why the sun appears so large compared to the other stars in the night sky, even though it is smaller than most of them.

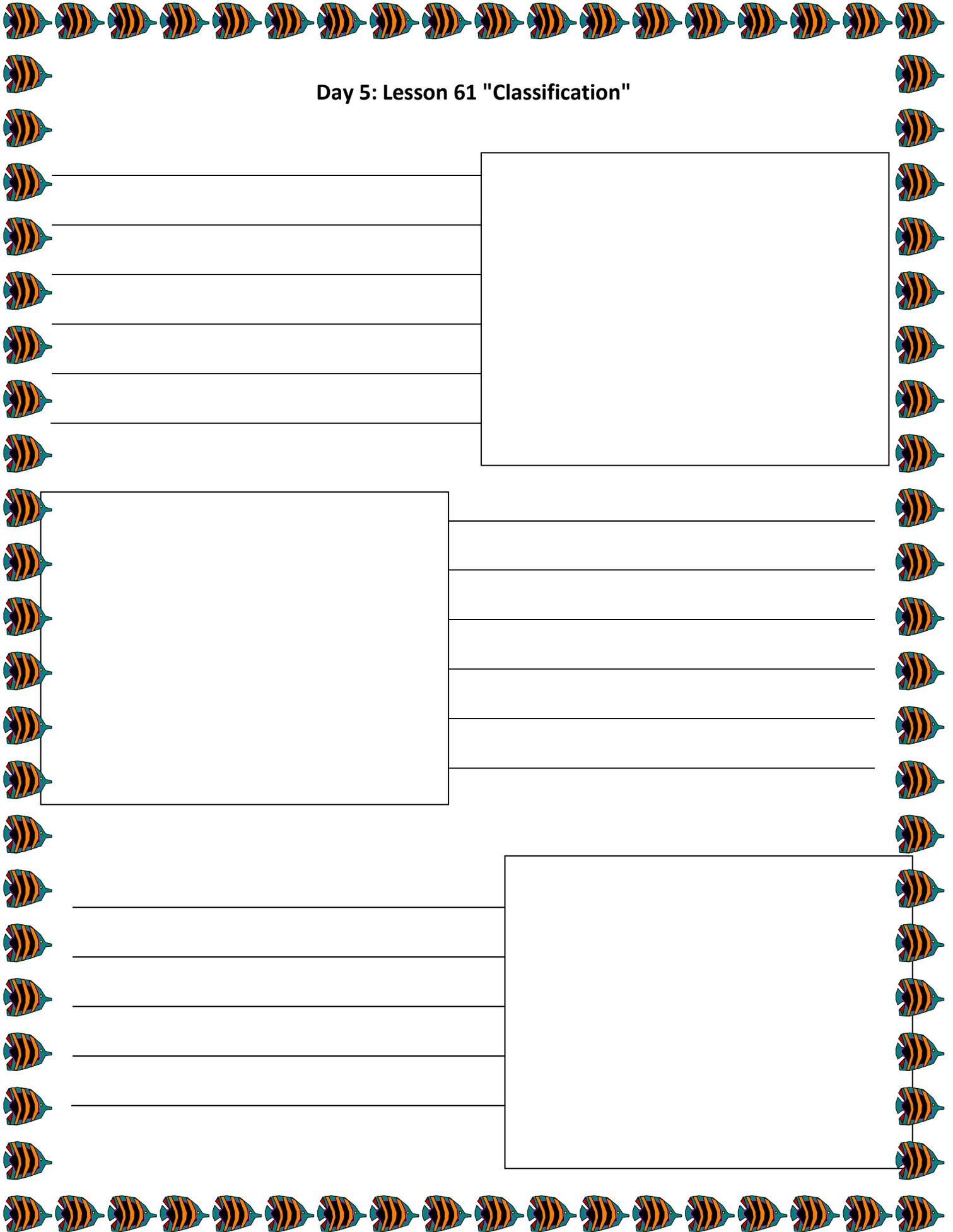
Day 4: Lesson 57 "Where Do the Stars Go During the Day? "

Day 5:

Swimmers and Flyers

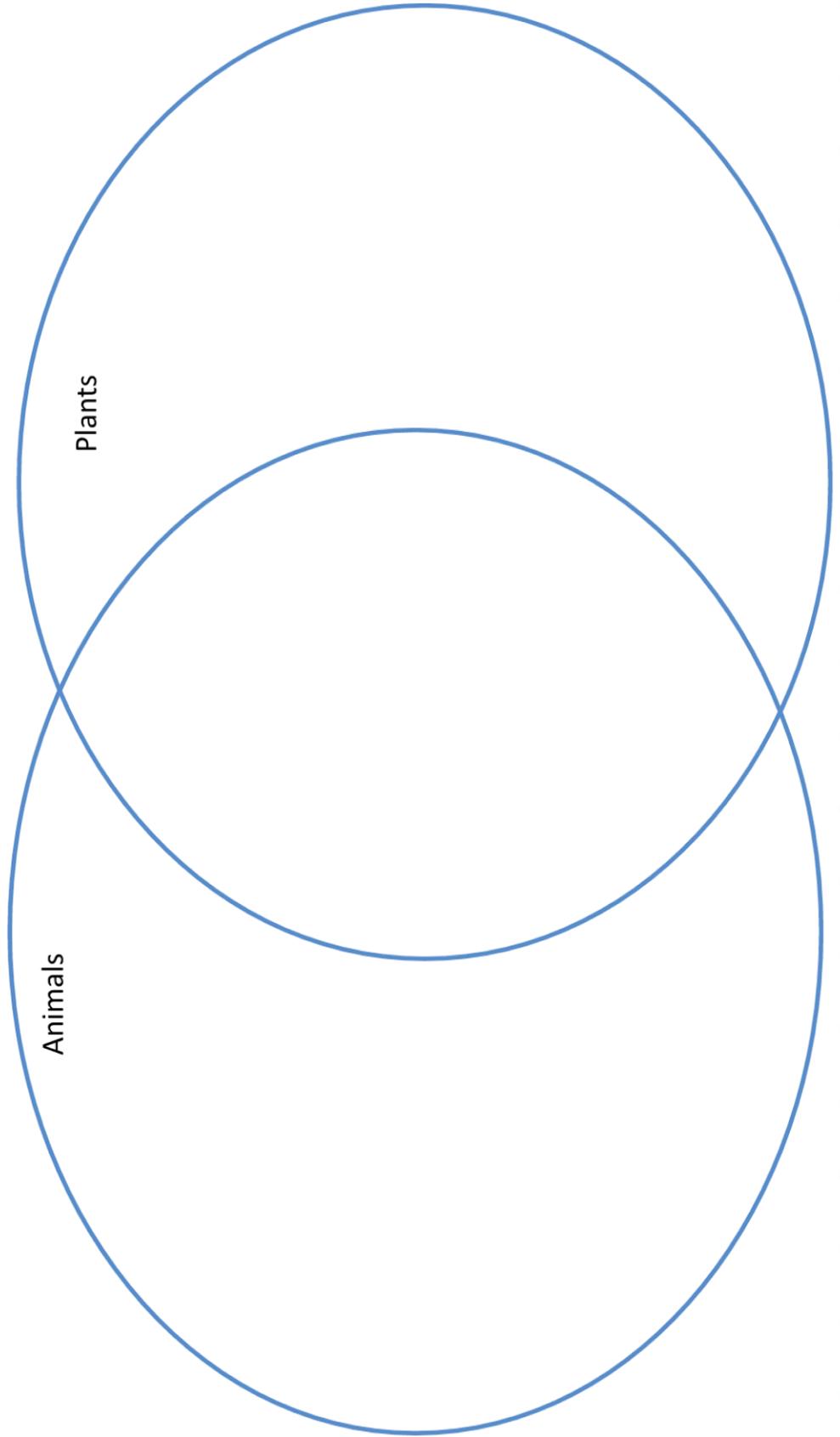


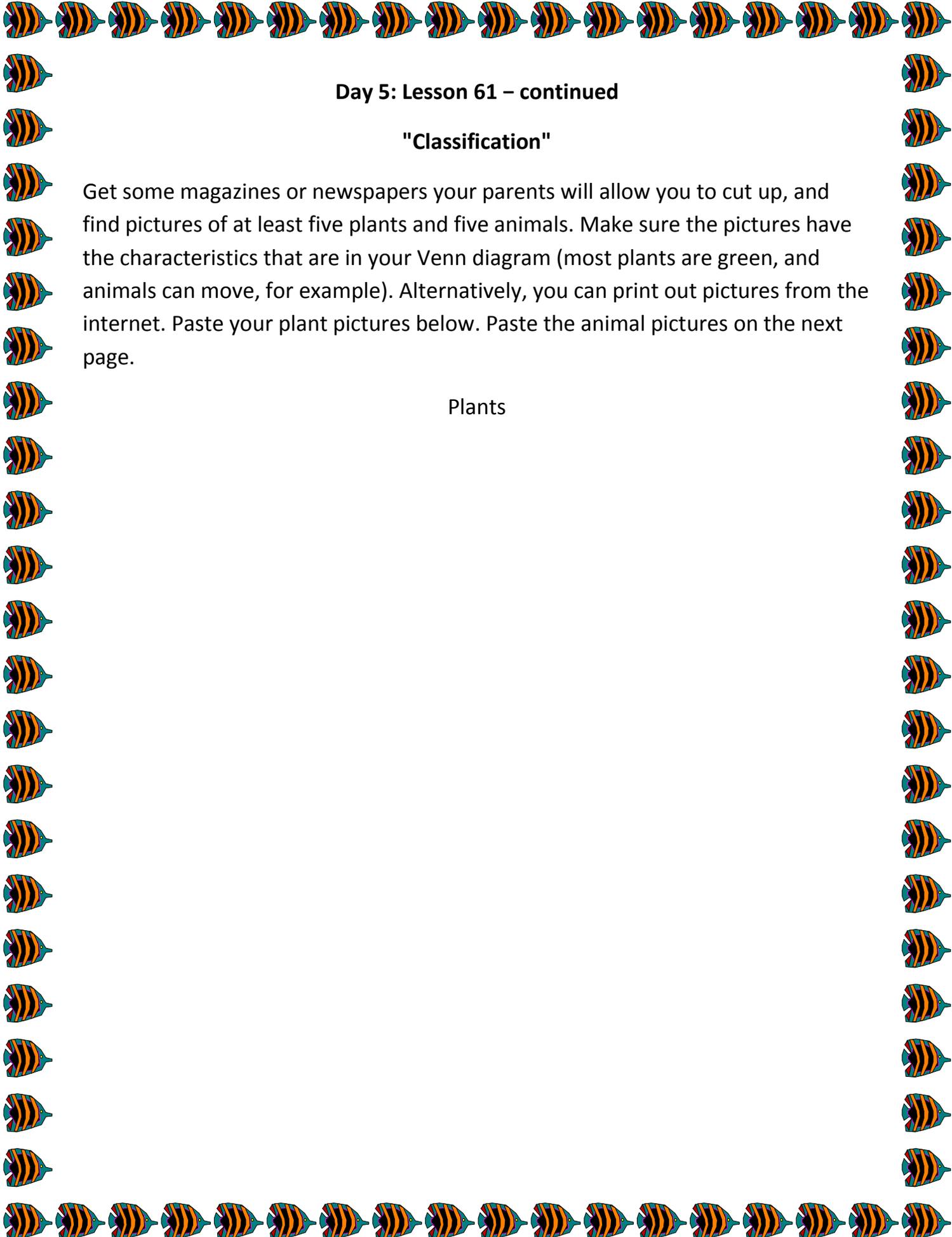
Day 5: Lesson 61 "Classification"



Day 5: Lesson 61

Venn Diagram



A decorative border of colorful fish, specifically striped angelfish, surrounds the page. The fish are arranged in a rectangular frame, with one row at the top, one at the bottom, and vertical columns on the left and right sides.

Day 5: Lesson 61 – continued

"Classification"

Get some magazines or newspapers your parents will allow you to cut up, and find pictures of at least five plants and five animals. Make sure the pictures have the characteristics that are in your Venn diagram (most plants are green, and animals can move, for example). Alternatively, you can print out pictures from the internet. Paste your plant pictures below. Paste the animal pictures on the next page.

Plants

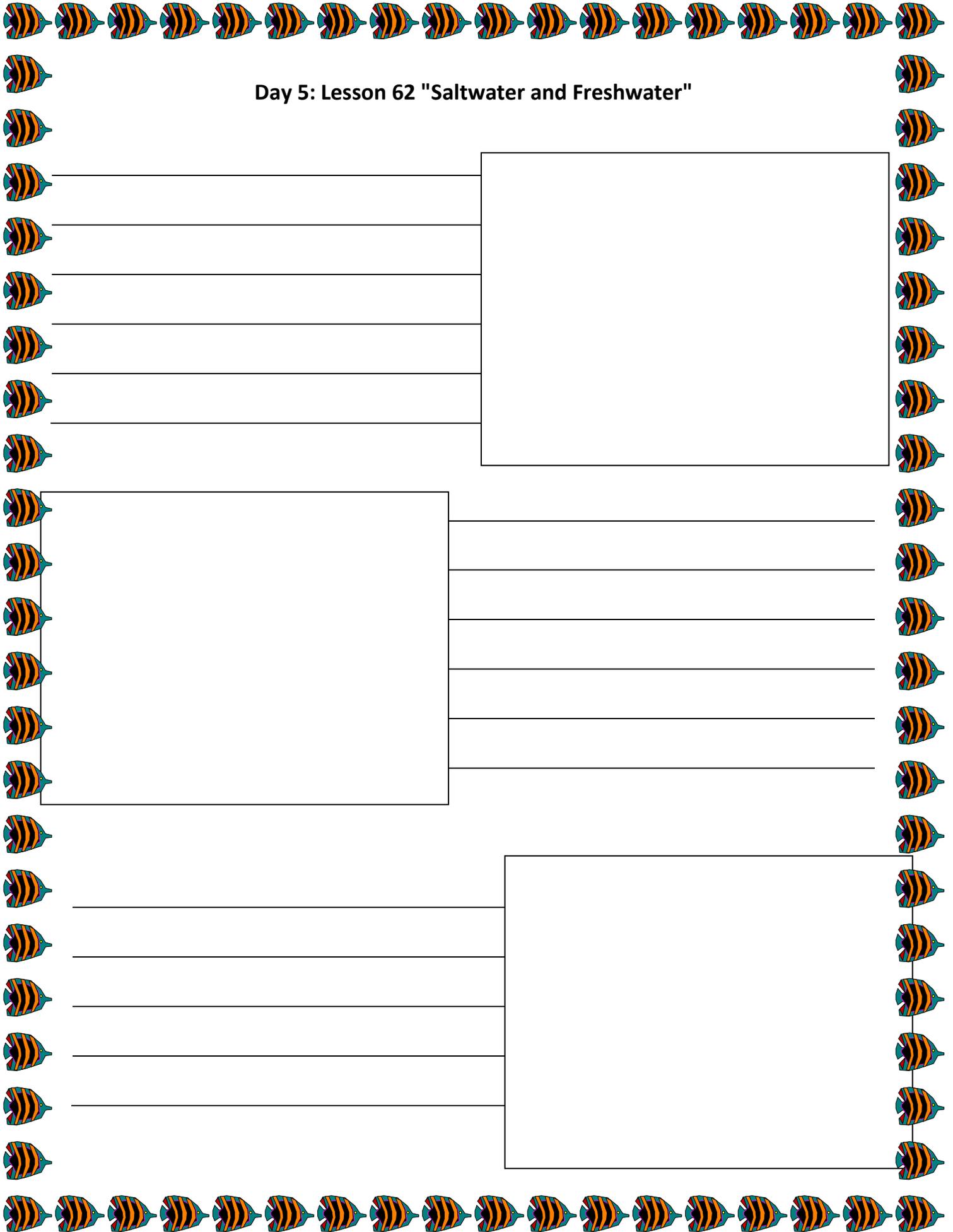


Day 5: Lesson 61 – continued

Animals



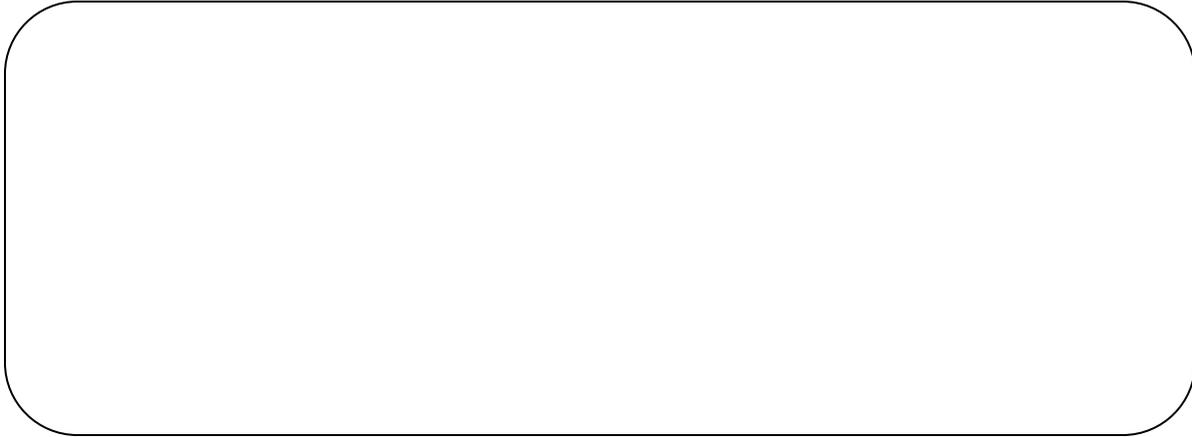
Day 5: Lesson 62 "Saltwater and Freshwater"



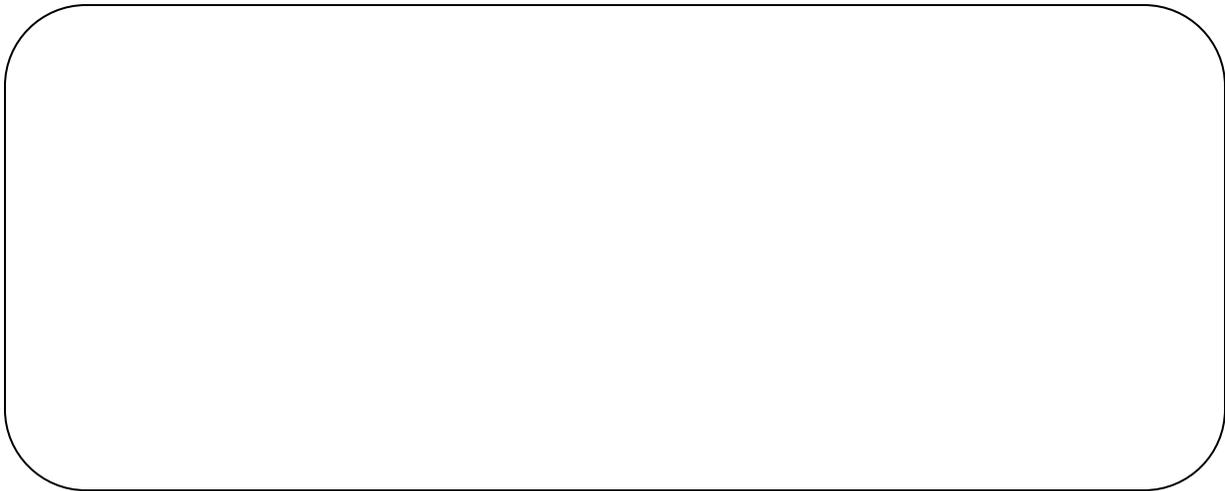
Day 5: Lesson 62

"Saltwater and Freshwater"

Make a drawing of a fish in water.



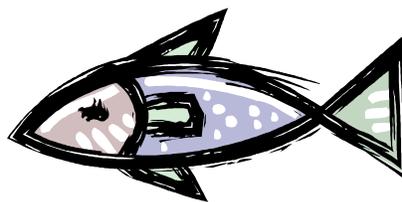
Draw what would happen if that fish were a freshwater fish and did not urinate a lot. Underneath, explain why what you drew would happen.



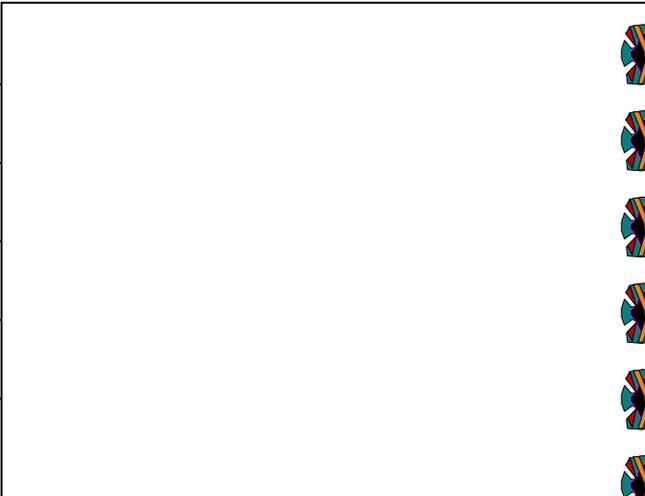
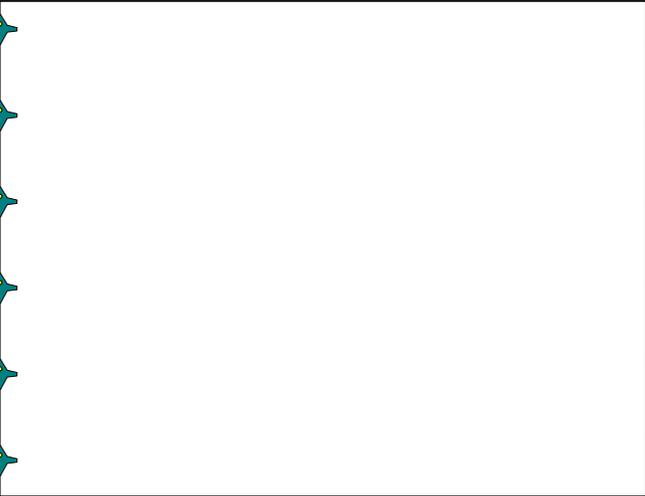
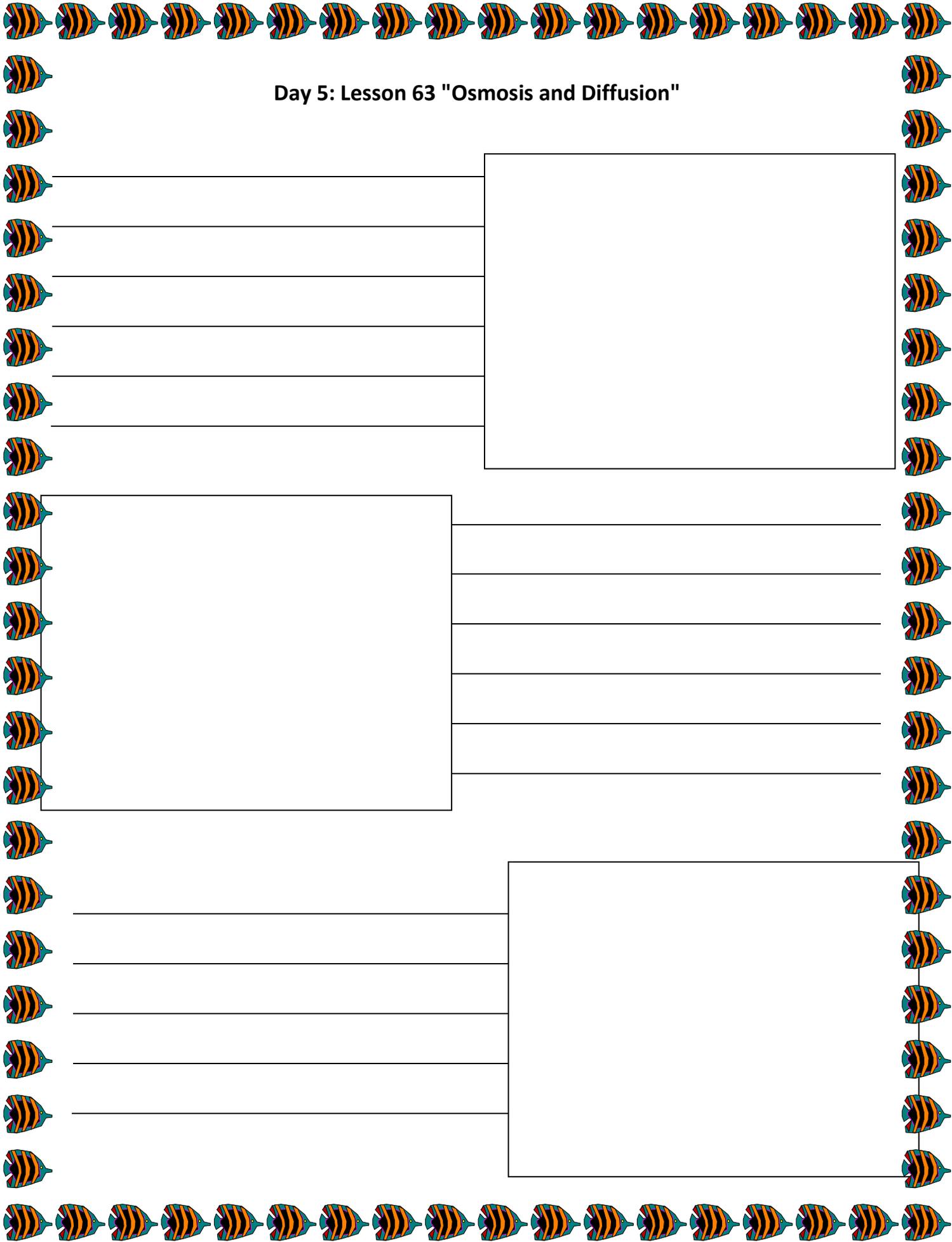
Day 5: Lesson 62 – continued

"Saltwater and Freshwater"

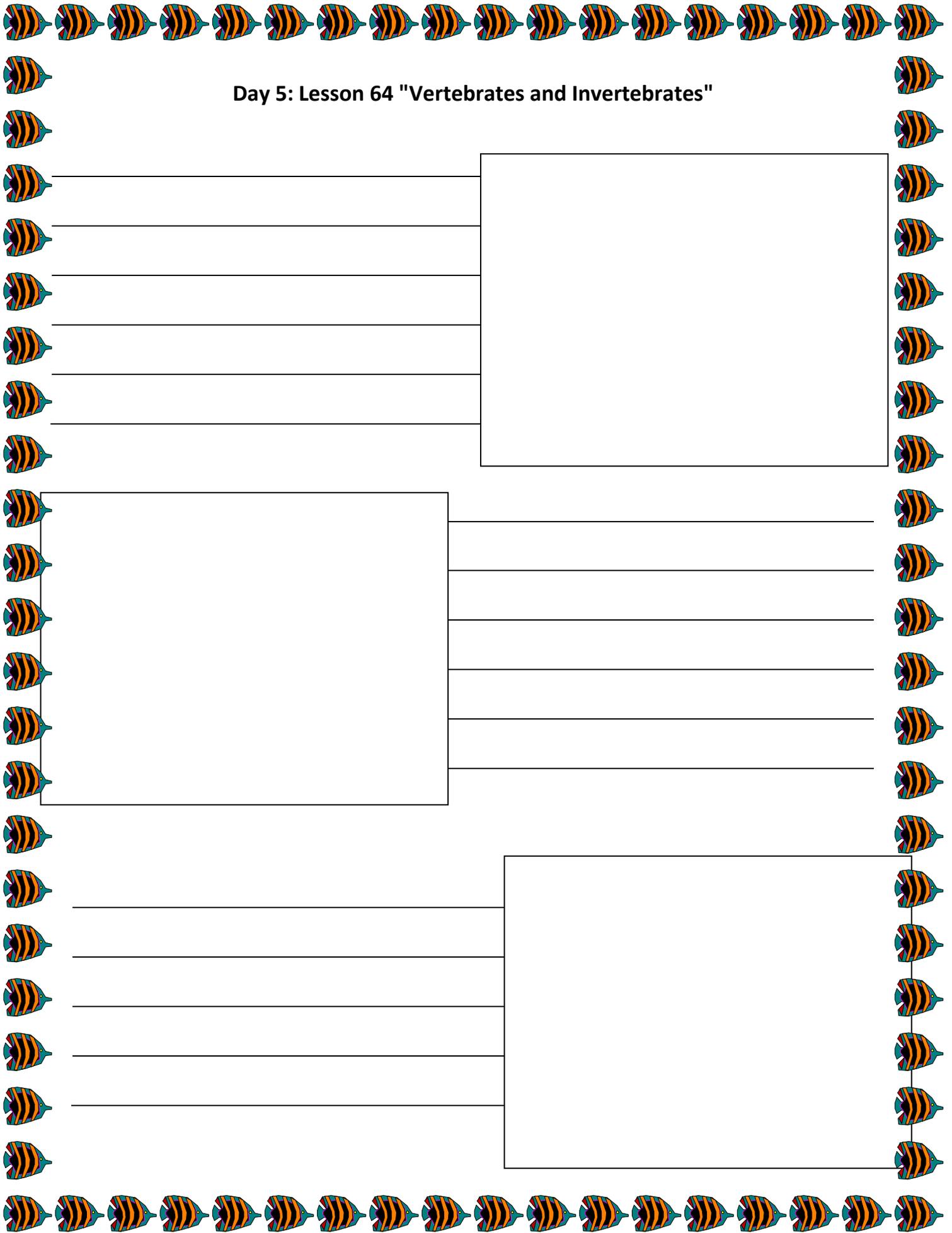
Draw what would happen if that fish were a saltwater fish and did not drink a lot. Underneath the drawing, explain why what you drew would happen.

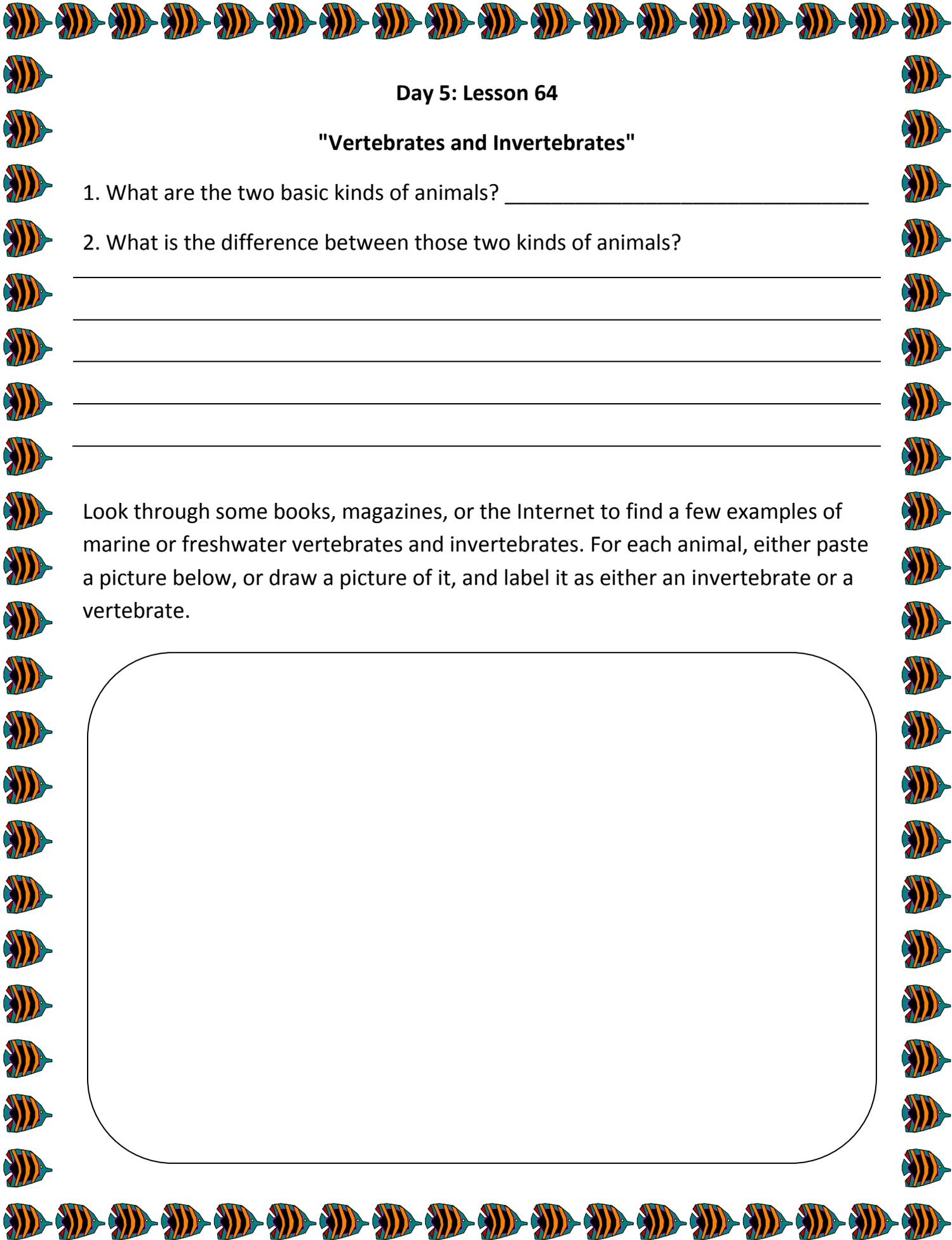


Day 5: Lesson 63 "Osmosis and Diffusion"



Day 5: Lesson 64 "Vertebrates and Invertebrates"





Day 5: Lesson 64

"Vertebrates and Invertebrates"

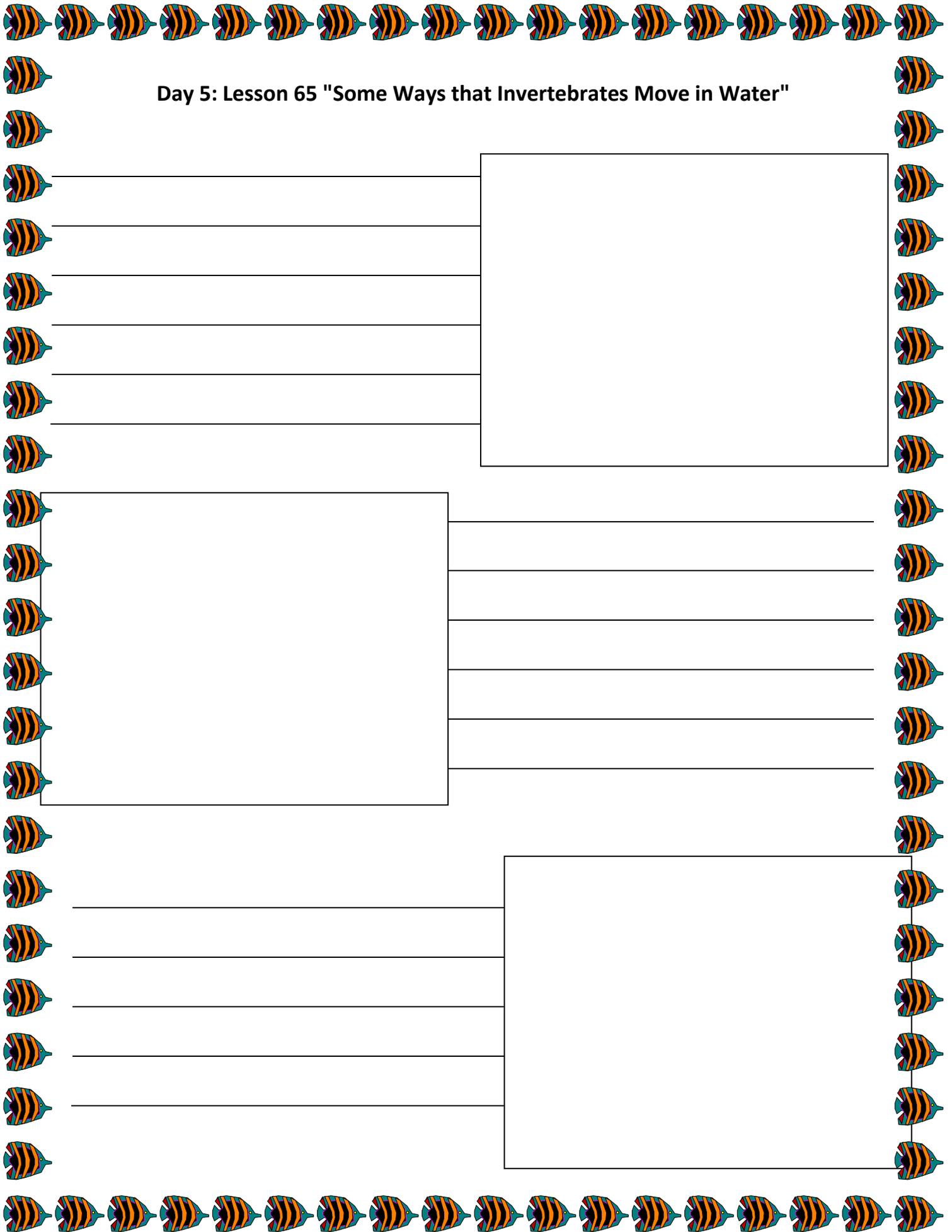
1. What are the two basic kinds of animals? _____

2. What is the difference between those two kinds of animals?

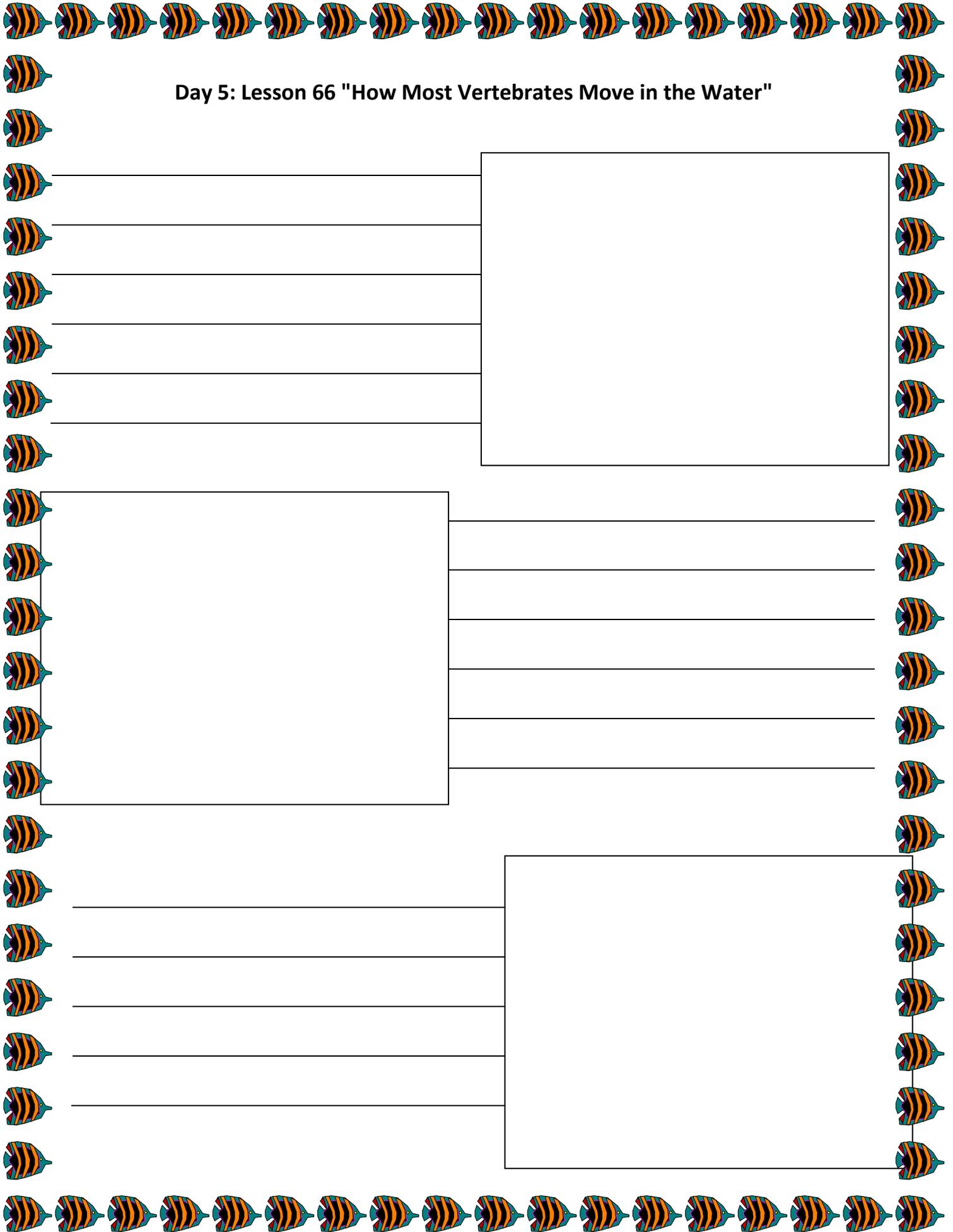
Look through some books, magazines, or the Internet to find a few examples of marine or freshwater vertebrates and invertebrates. For each animal, either paste a picture below, or draw a picture of it, and label it as either an invertebrate or a vertebrate.



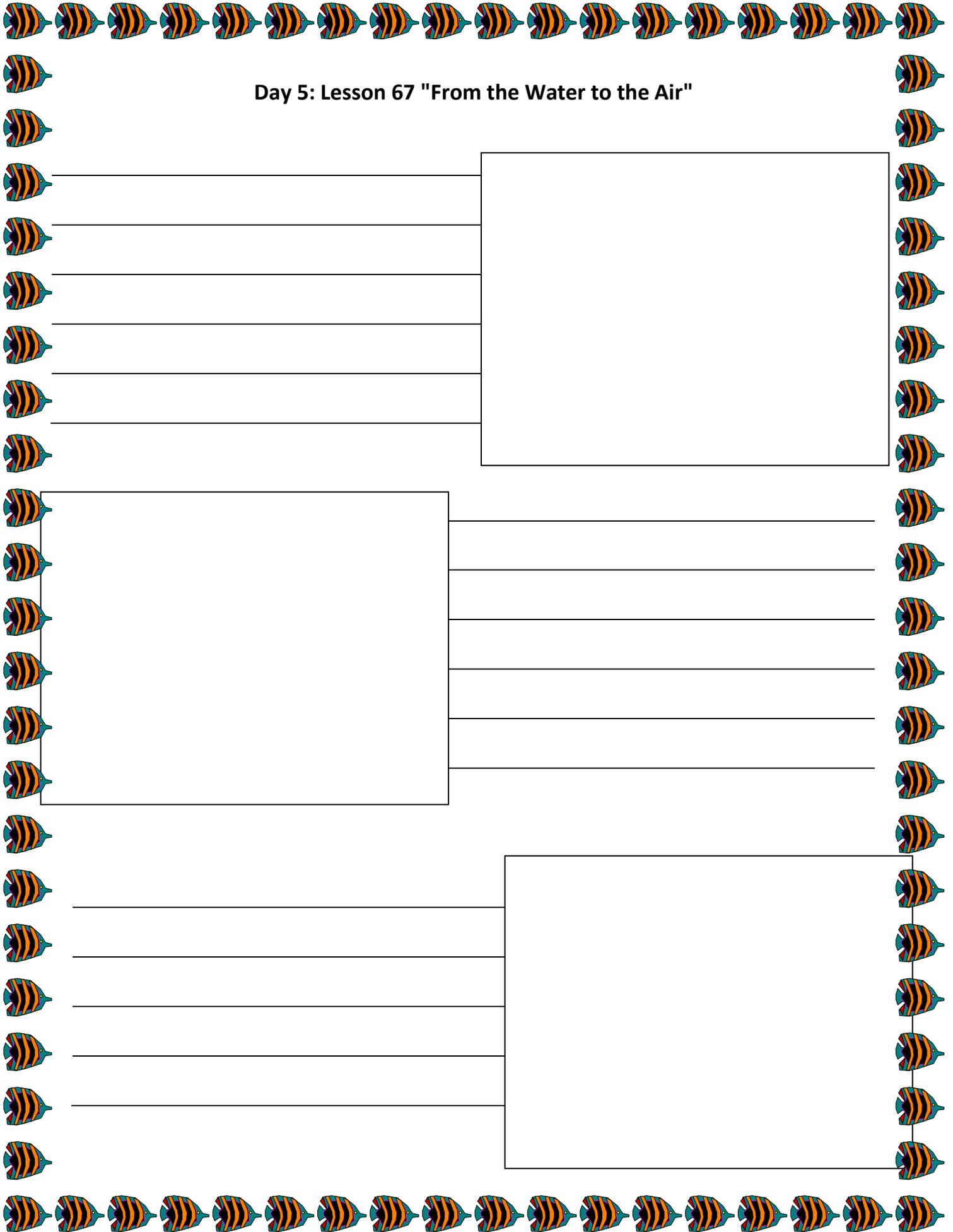
Day 5: Lesson 65 "Some Ways that Invertebrates Move in Water"



Day 5: Lesson 66 "How Most Vertebrates Move in the Water"



Day 5: Lesson 67 "From the Water to the Air"

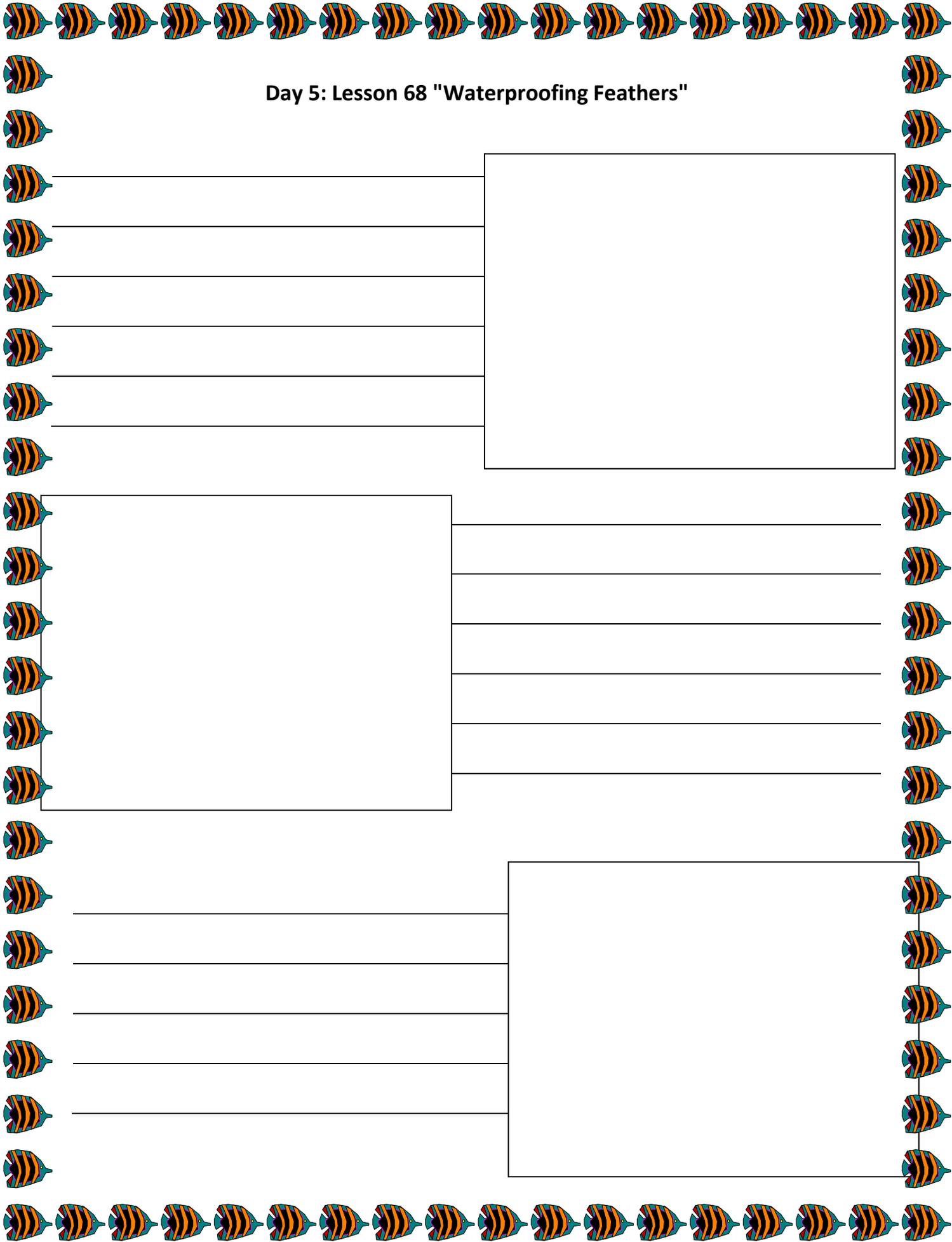


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A large empty rectangular box with a black border, intended for a drawing or illustration.

A large empty rectangular box with a black border, intended for a drawing or illustration.

Day 5: Lesson 68 "Waterproofing Feathers"

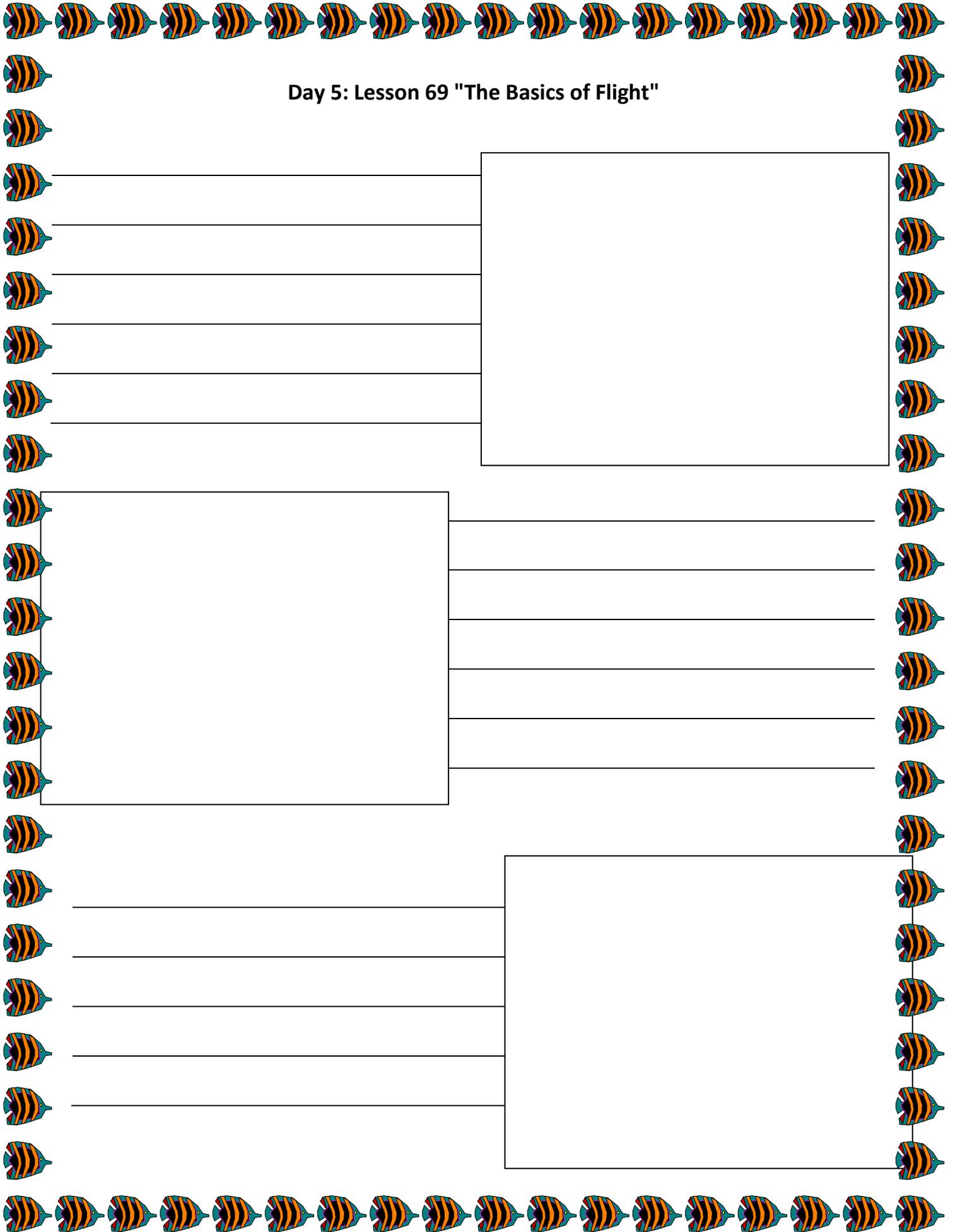


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Day 5: Lesson 69 "The Basics of Flight"



Day 5: Lesson 69

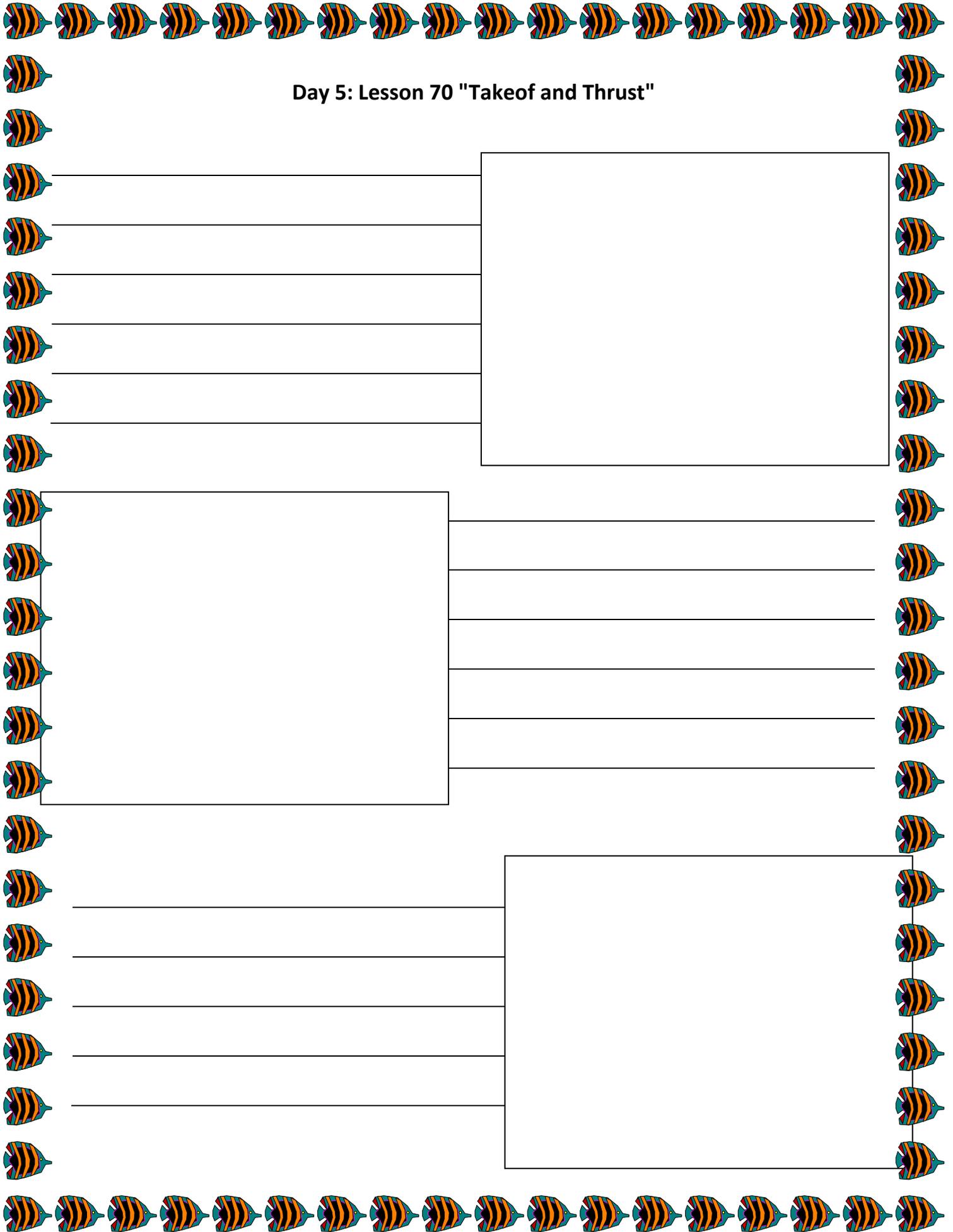
"The Basics of Flight"

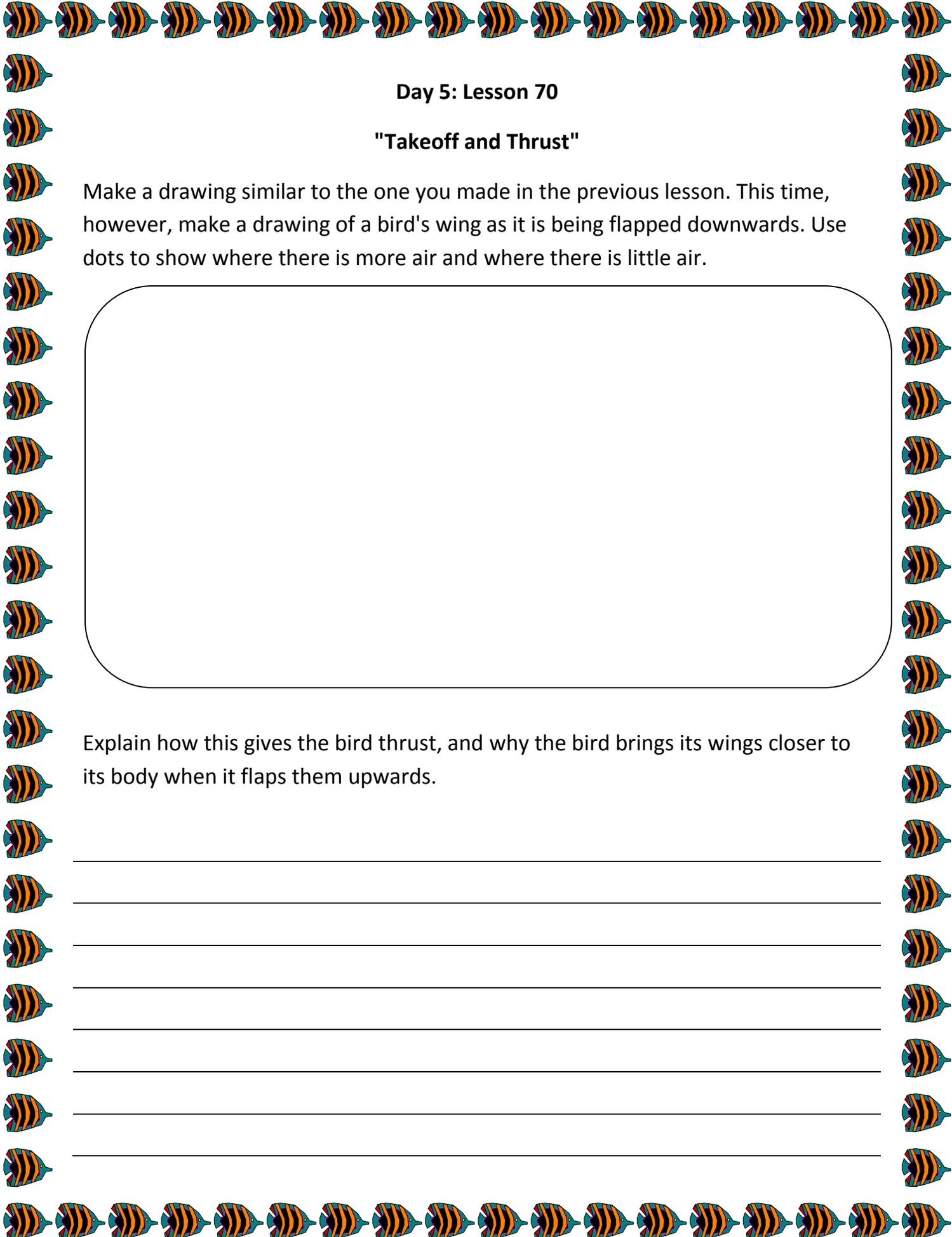
Make a drawing like the one on page 211. However, rather than using arrows, use dots to represent air. The more dots you draw, the more air pressure exists in that region.



Explain how this allows something with a properly-shaped wing to fly.

Day 5: Lesson 70 "Takeof and Thrust"

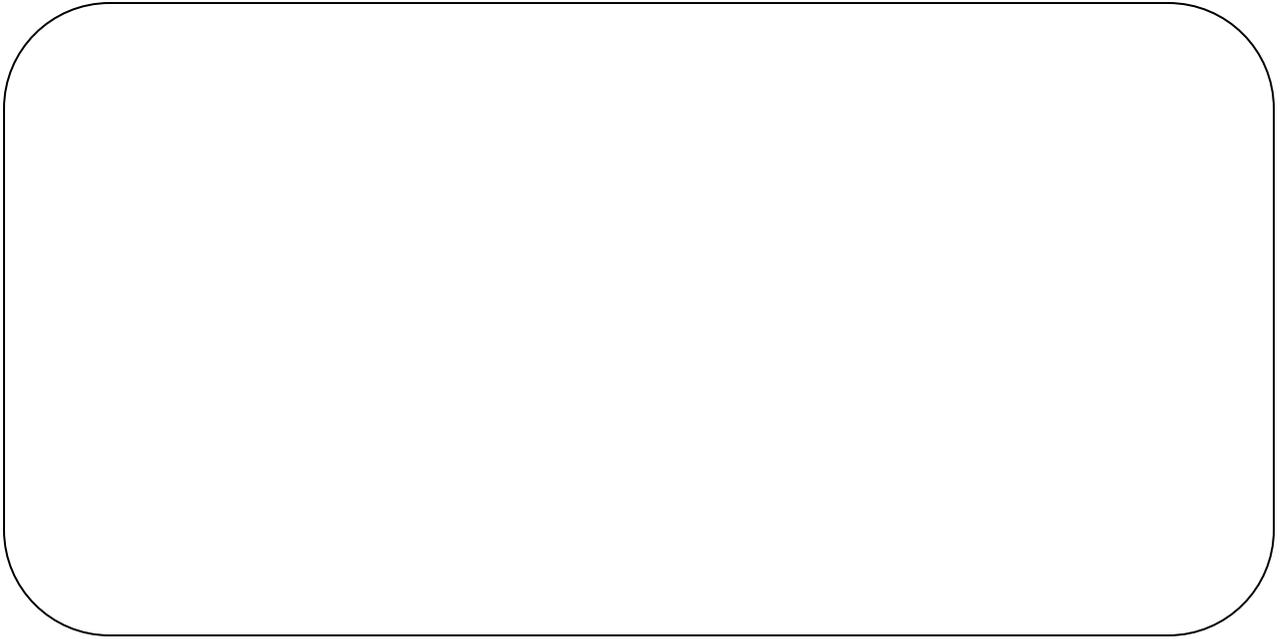




Day 5: Lesson 70

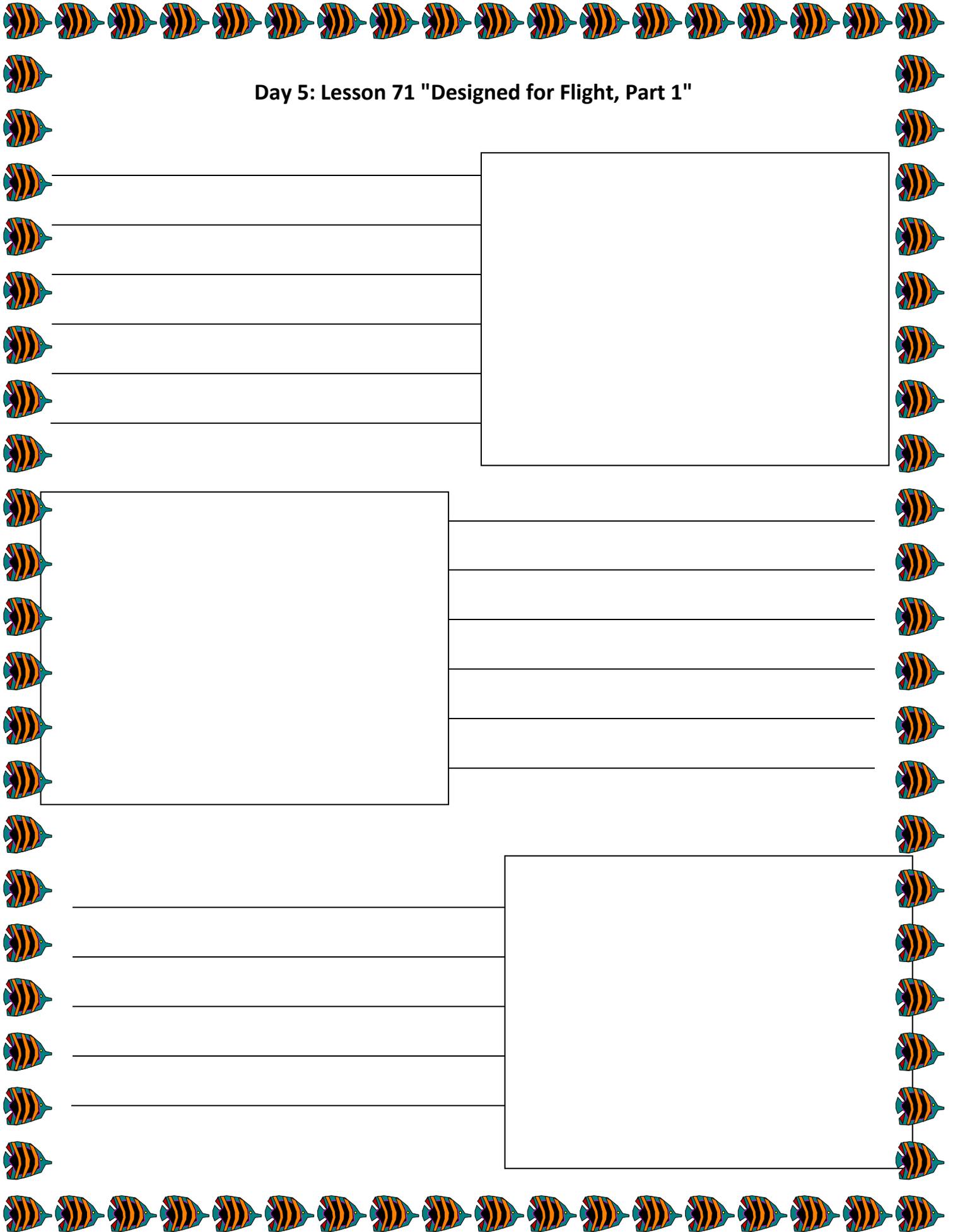
"Takeoff and Thrust"

Make a drawing similar to the one you made in the previous lesson. This time, however, make a drawing of a bird's wing as it is being flapped downwards. Use dots to show where there is more air and where there is little air.



Explain how this gives the bird thrust, and why the bird brings its wings closer to its body when it flaps them upwards.

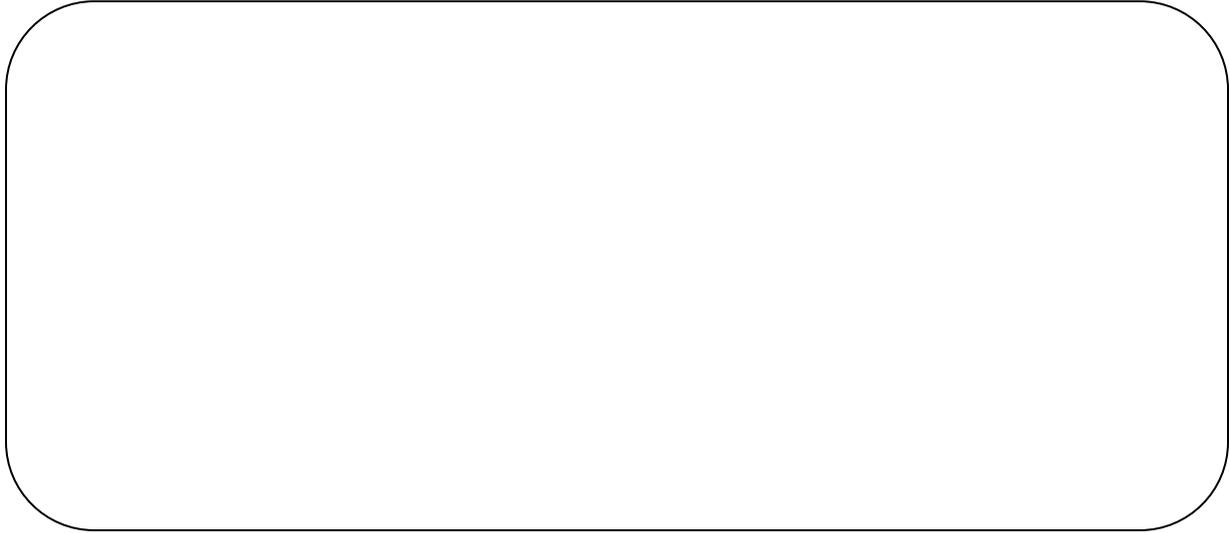
Day 5: Lesson 71 "Designed for Flight, Part 1"



Day 5: Lesson 71

"Designed for Flight, Part 1"

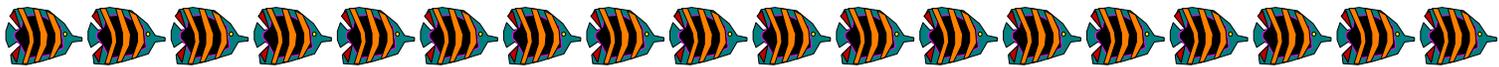
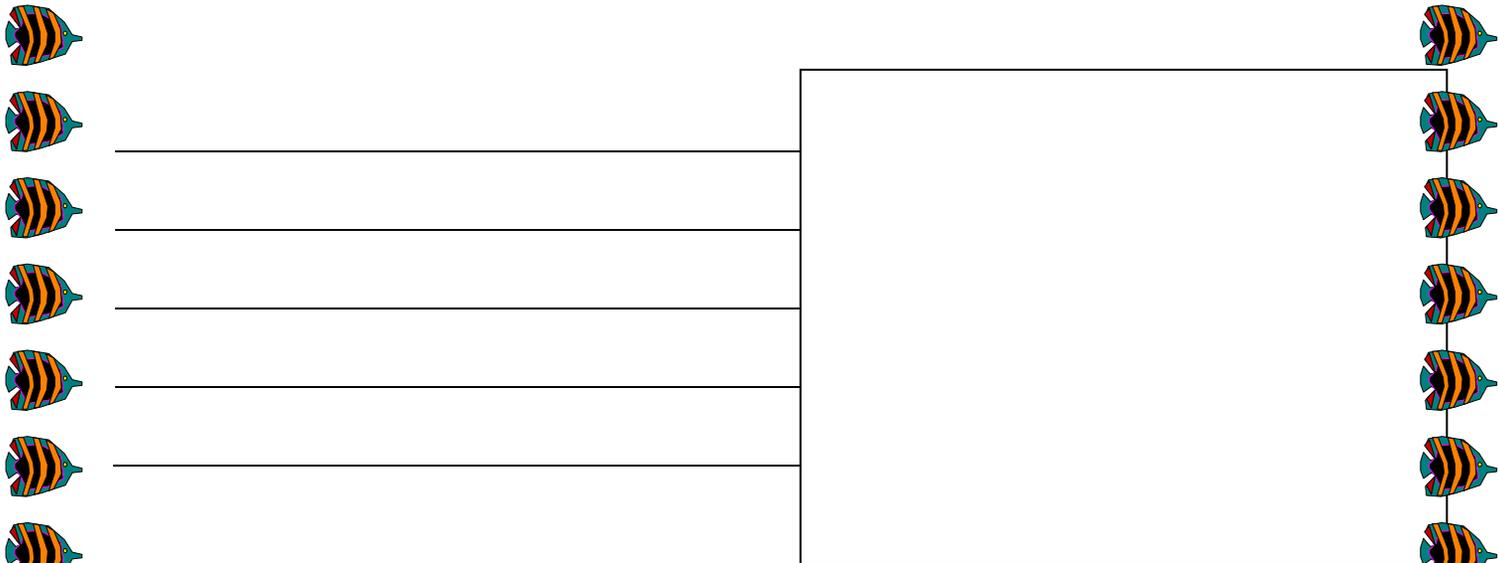
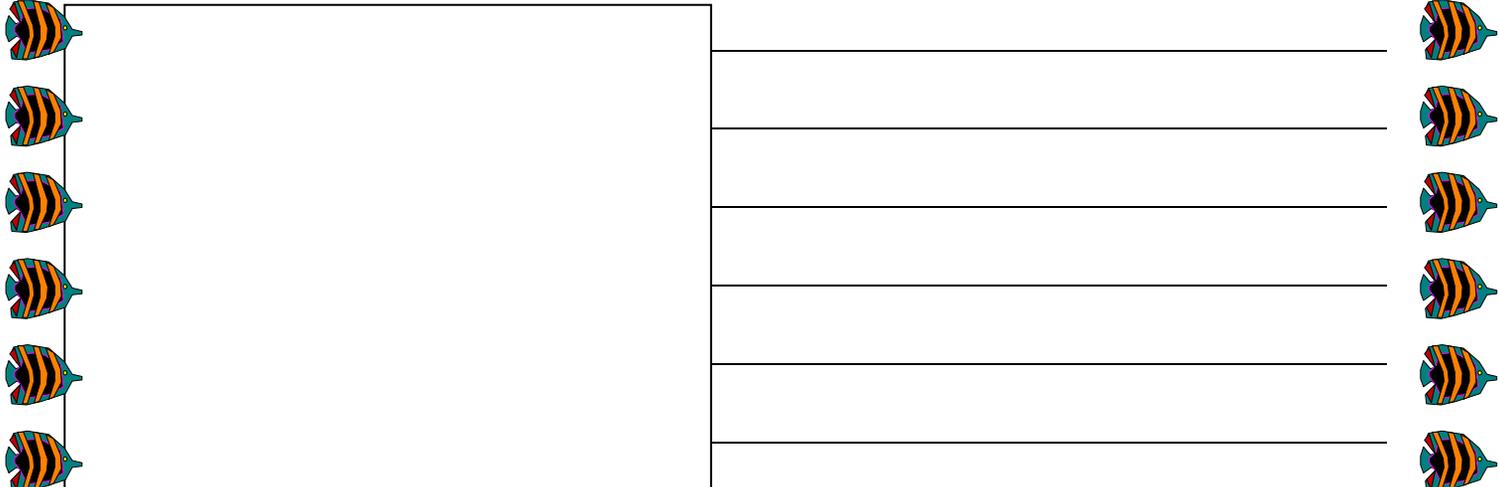
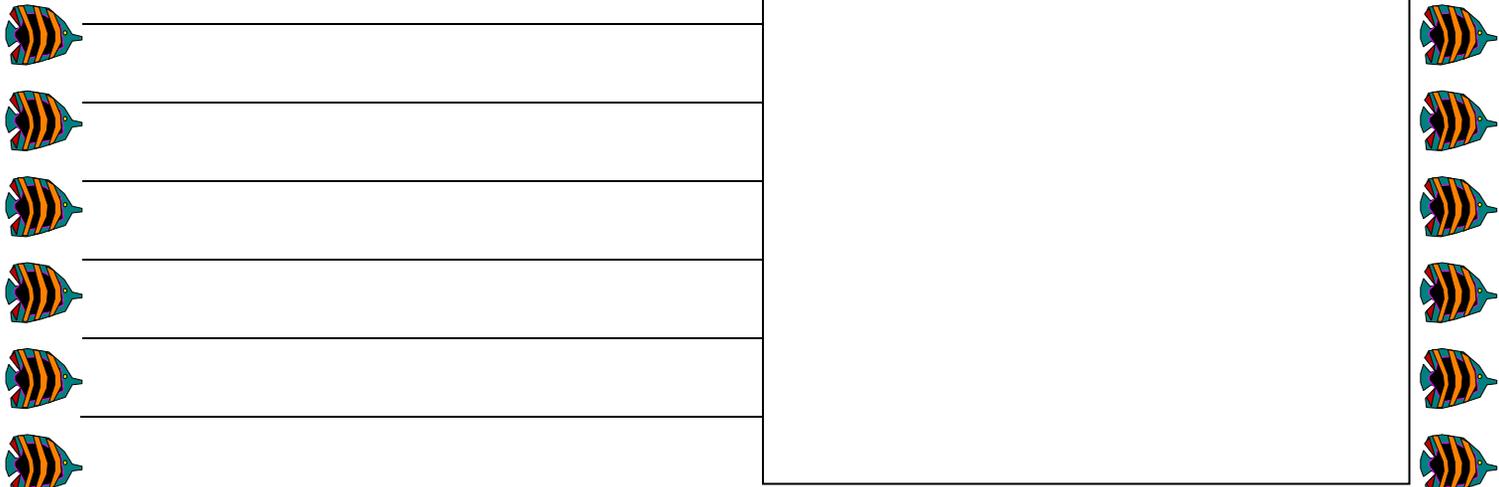
Find a picture of an airplane and glue it in the space below. Compare it to the picture of the Royal Tern on page 216.



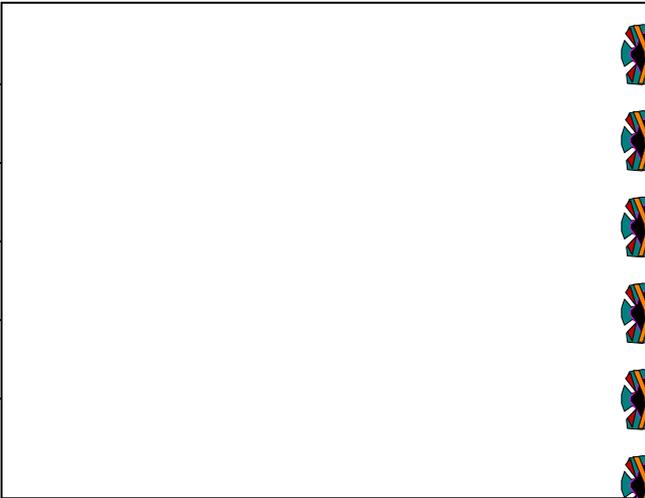
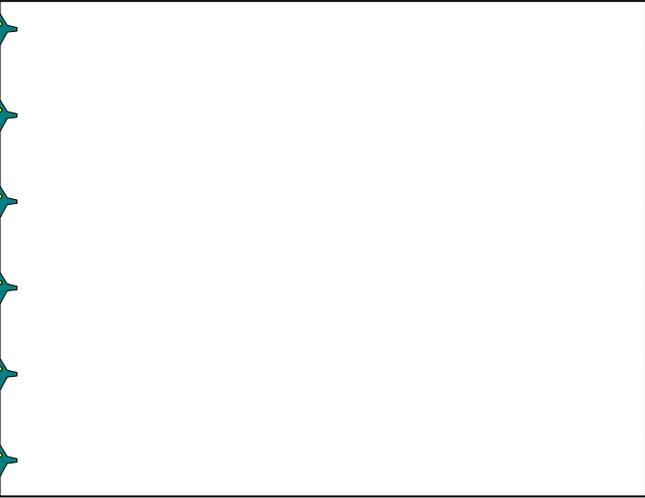
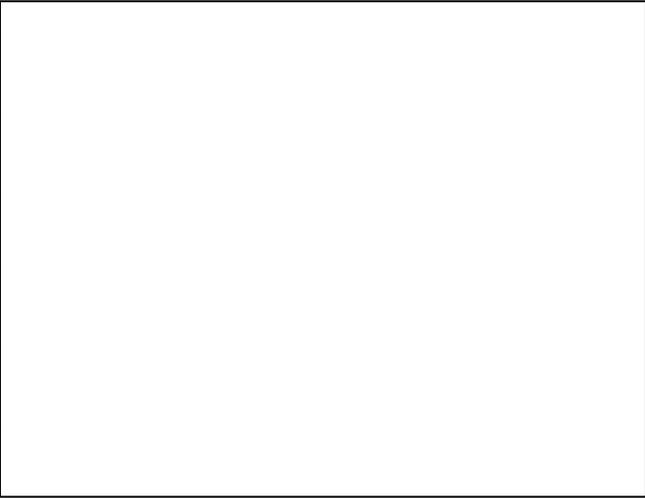
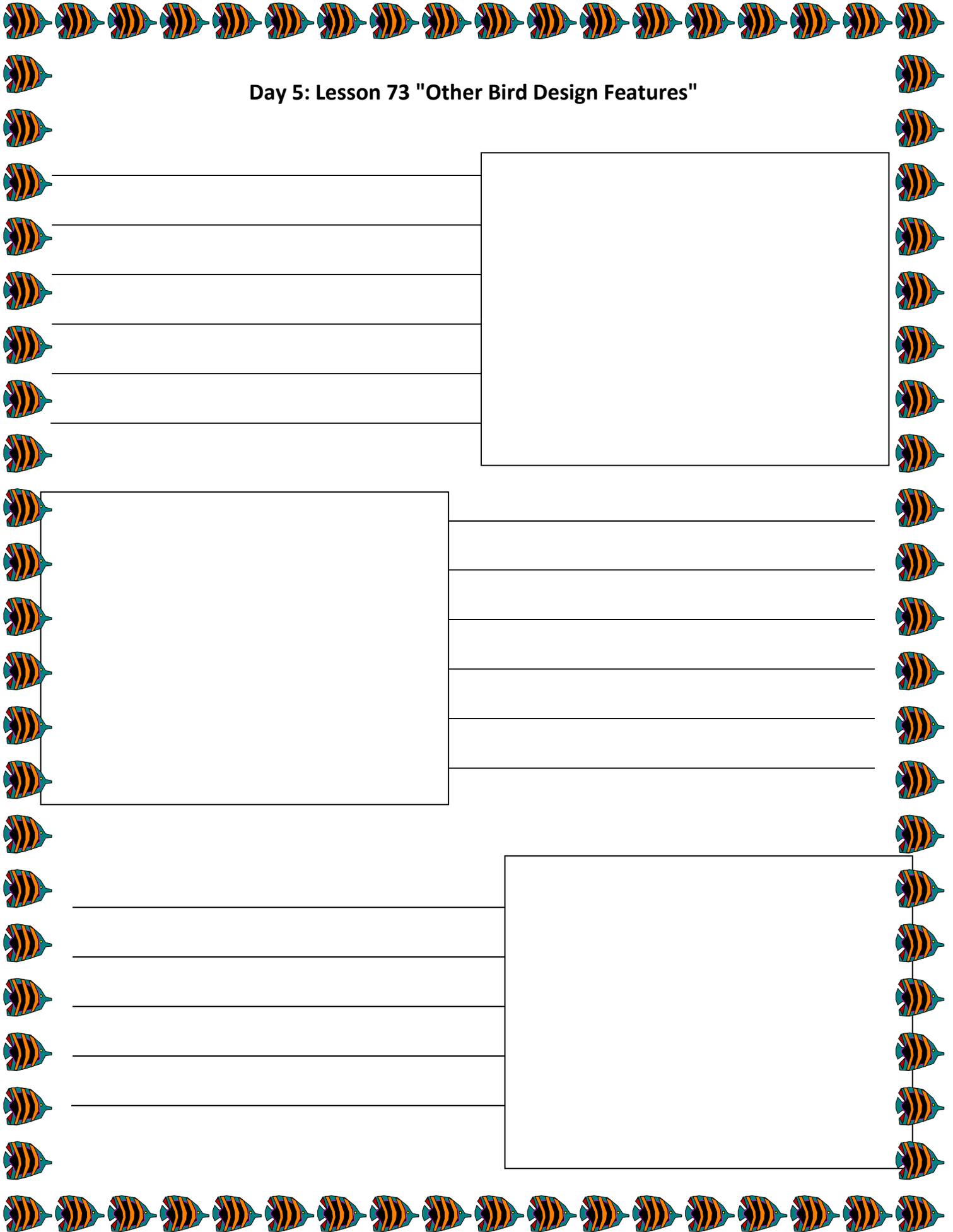
Ignore the big wings at the center and the smaller wings on the tails. Those are necessary for flying and steering. Just concentrate on the body shape. Explain why an airplane has the same basic body shape as a bird. (Hint: use the word "streamlined" in your answer.)



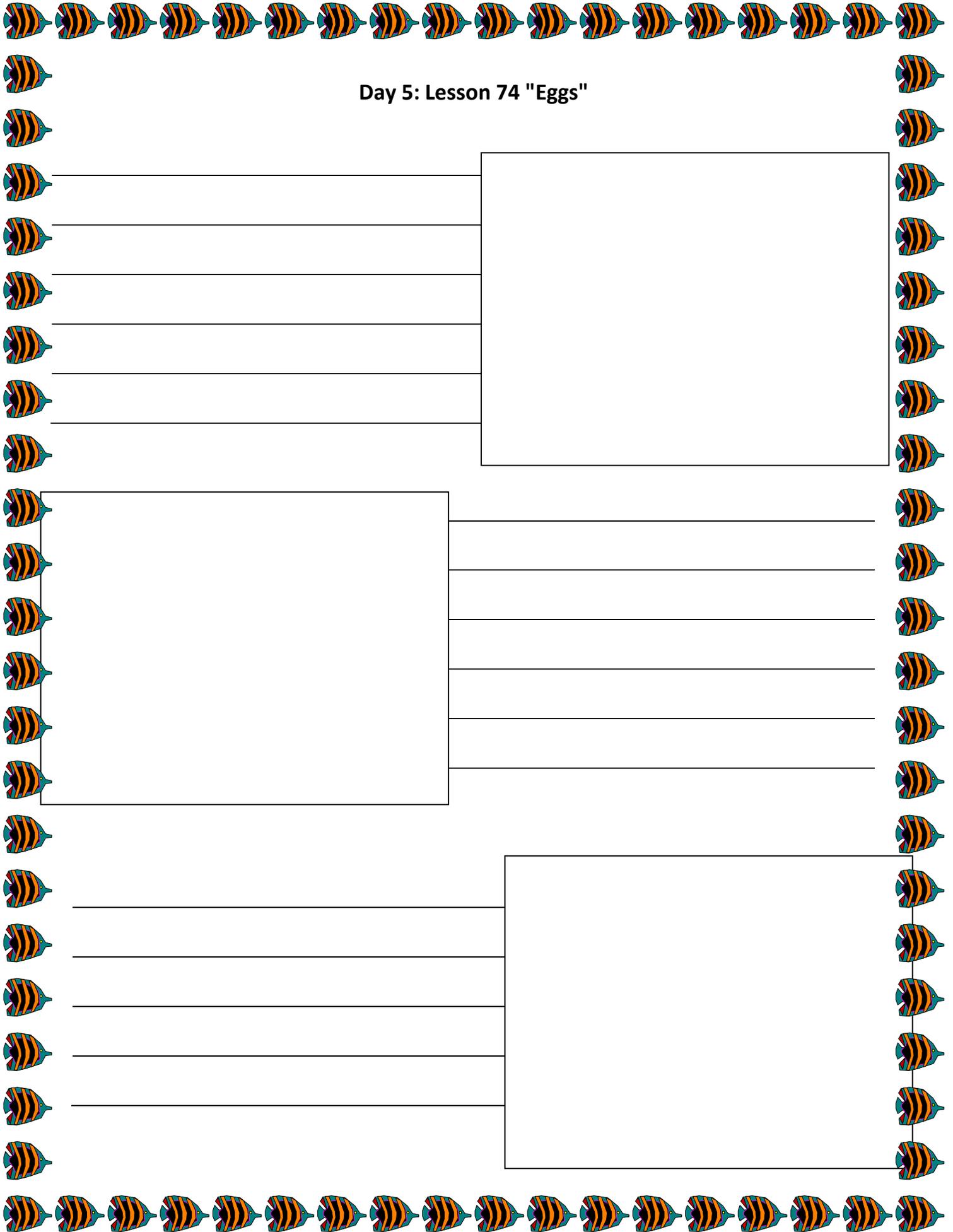
Day 5: Lesson 2 "Designed for Flight, Part II"



Day 5: Lesson 73 "Other Bird Design Features"



Day 5: Lesson 74 "Eggs"

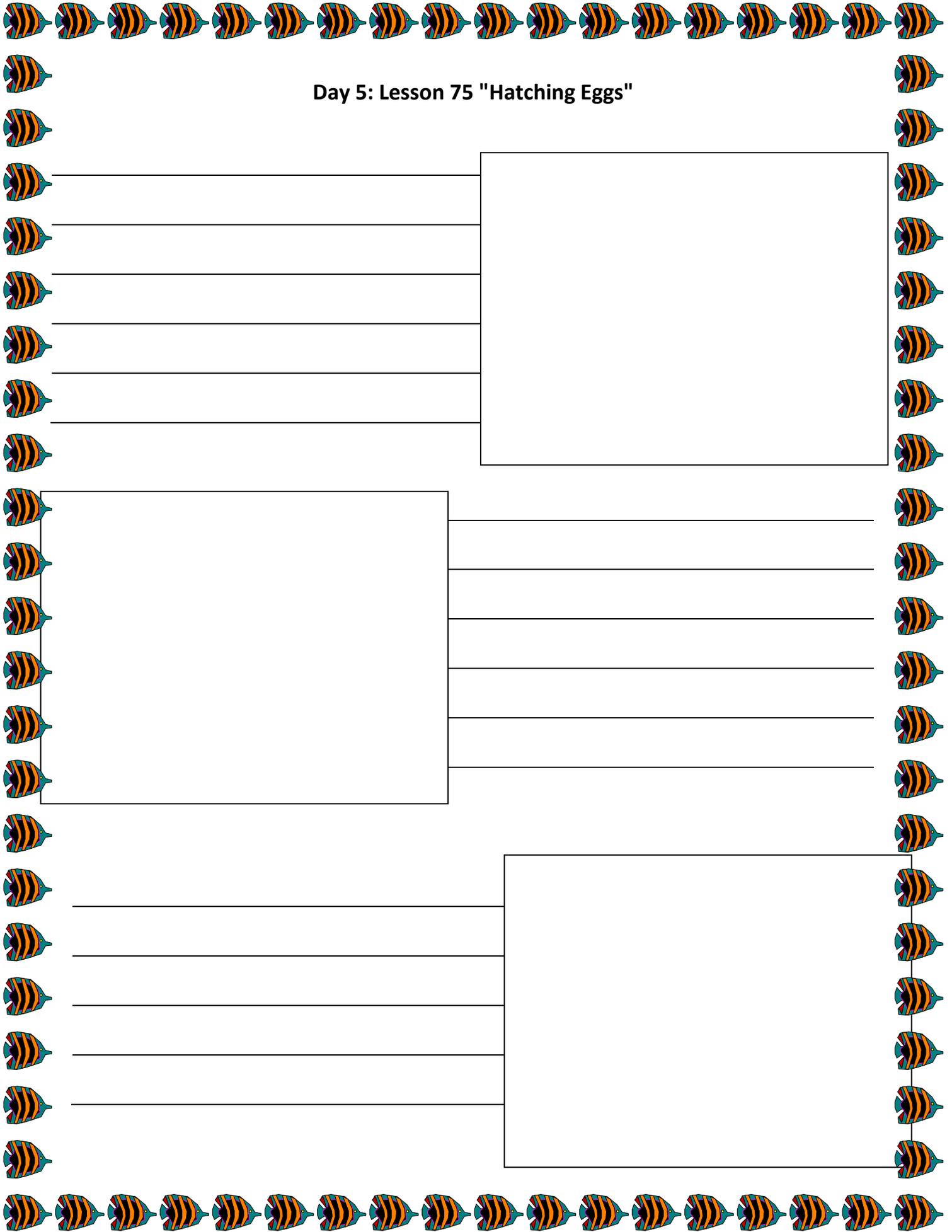


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Day 5: Lesson 75 "Hatching Eggs"



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A large empty rectangular box with a black border, intended for drawing or writing.

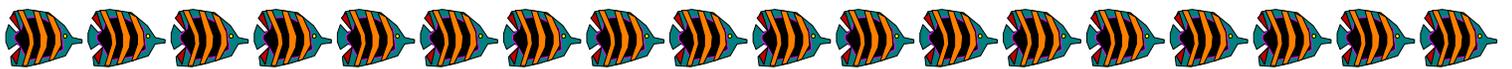


Day 5: Lesson 75

"Hatching Eggs"

Describe the experiment you did, and write why this helps to explain how an egg doesn't break when its parent sits on it to incubate it. Also, discuss how a baby bird might be precocial or altricial, and explain what those terms mean.

Handwriting practice area consisting of 20 horizontal lines, each starting with a small fish icon on the left and ending with a small fish icon on the right.



Day 6:

**Land, Animals
and People**

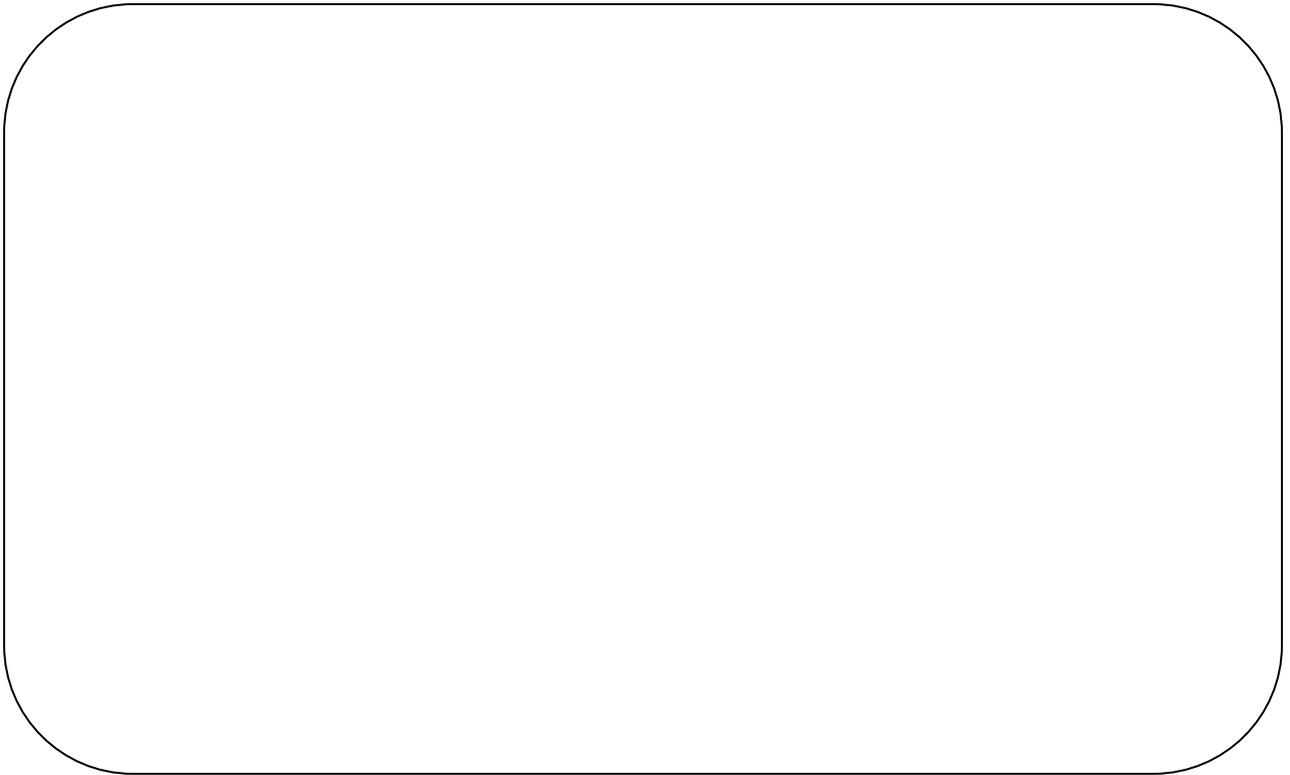


Day 6: Lesson 76 "Land Animals and People"

Day 6: Lesson 76

"Land Animals and People"

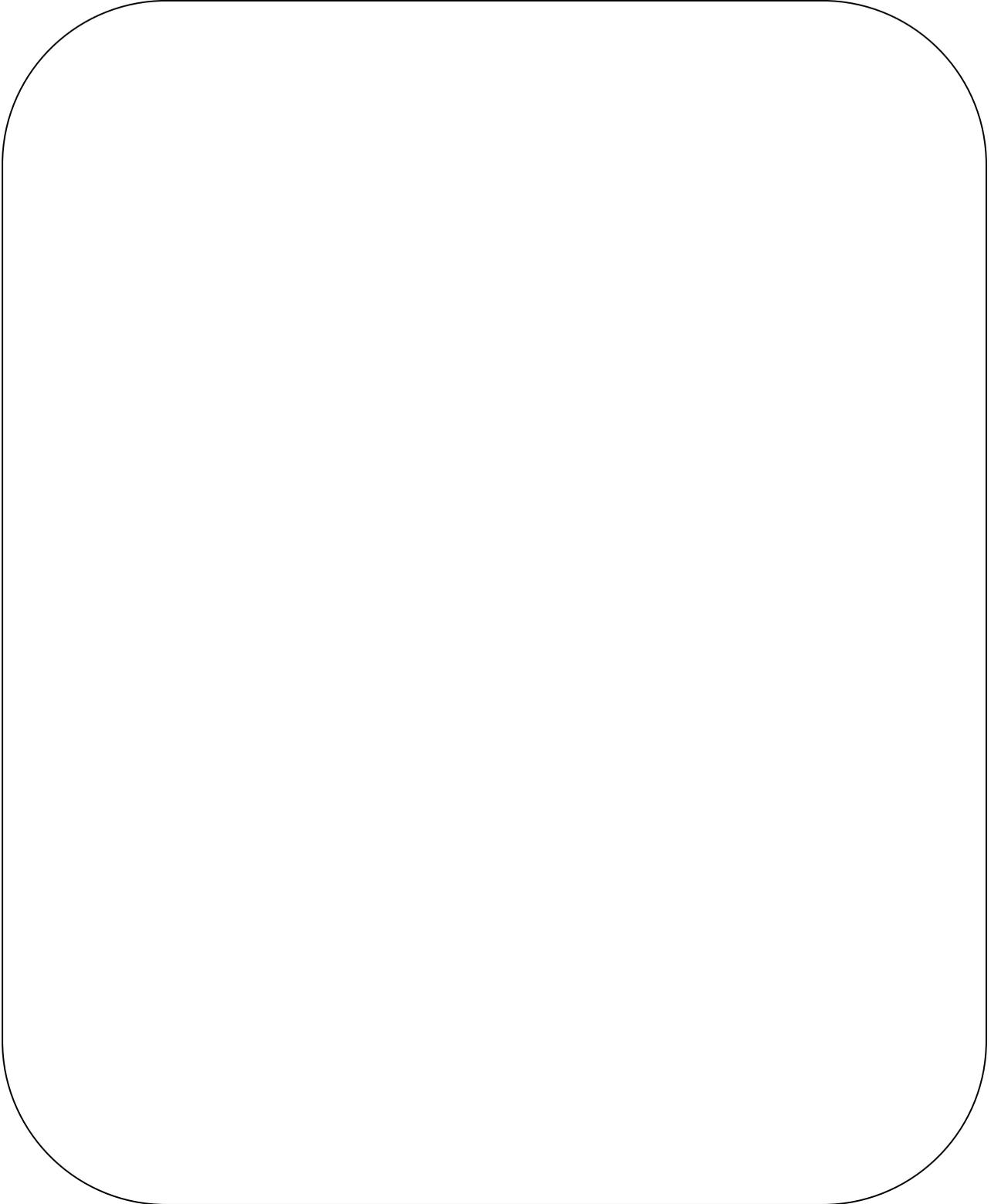
Find pictures of domesticated animals and paste them below:



Explain what a domesticated animal is and what the Bible probably means when it talks about God creating cattle on the sixth day.

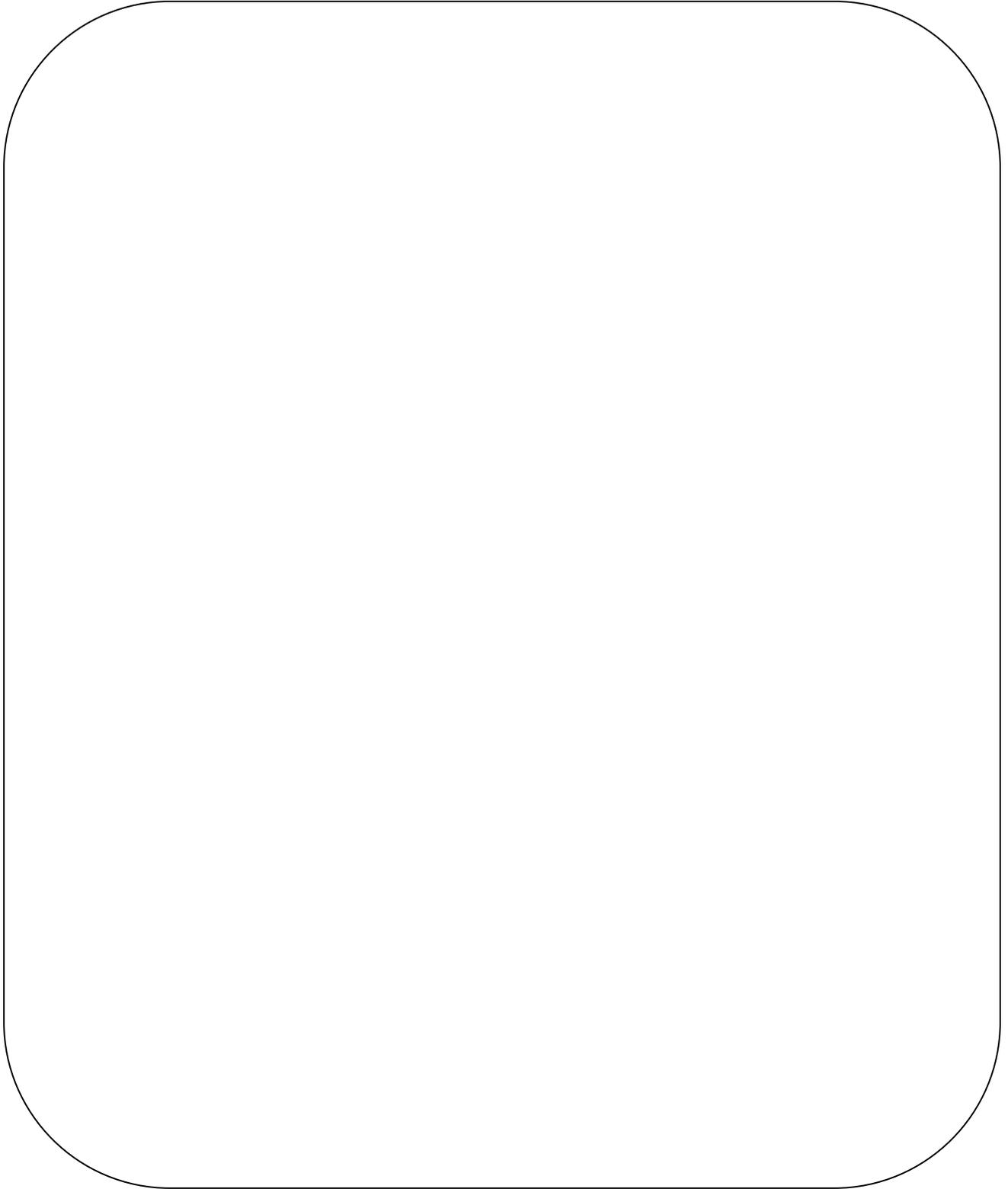
Day 6: Lesson 76 - continued

Paste pictures of creeping things below.



Day 6: Lesson 76 - continued

Paste pictures of wild animals that live on the land below.



Day 6: Lesson 77 "Legs"

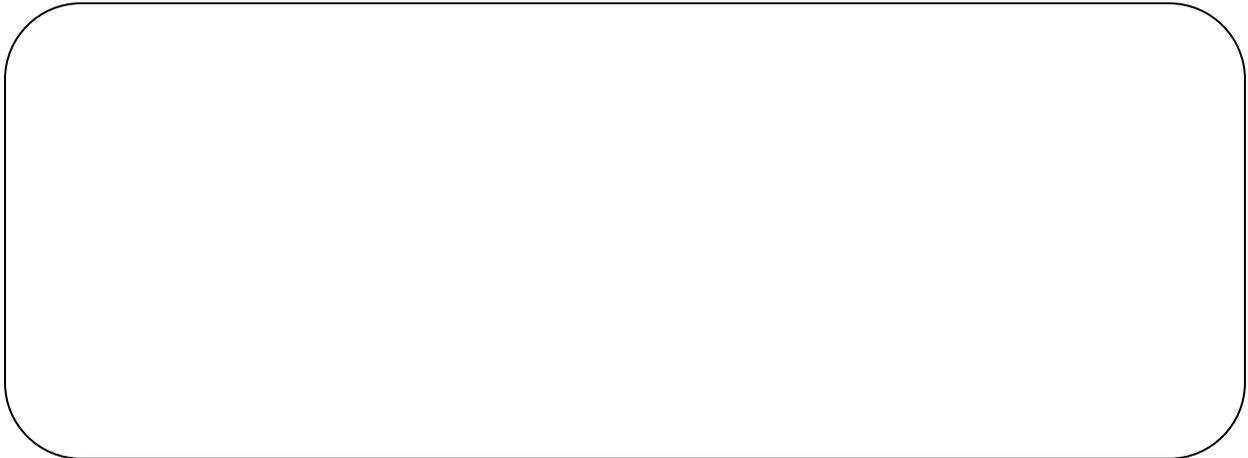
Day 6: Lesson 77
"Legs"

Make a drawing of an insect. Indicate the legs and antennae.



All insects have 6 legs.

Draw a spider.

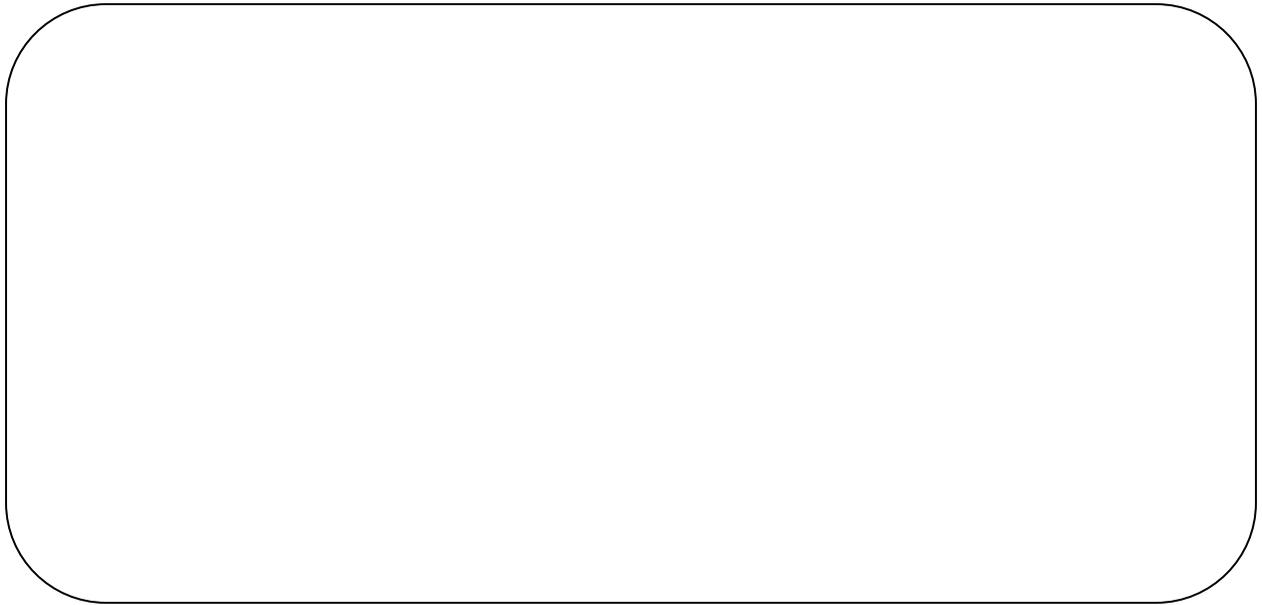


How can you tell that a spider is not an insect?

Day 6: Lesson 78 "No Legs"

Day 6: Lesson 78
"No Legs"

Make a drawing of an earthworm crawling along the ground. Show the clitellum, and point out the anterior end, the posterior end, the dorsal side, and the ventral side.



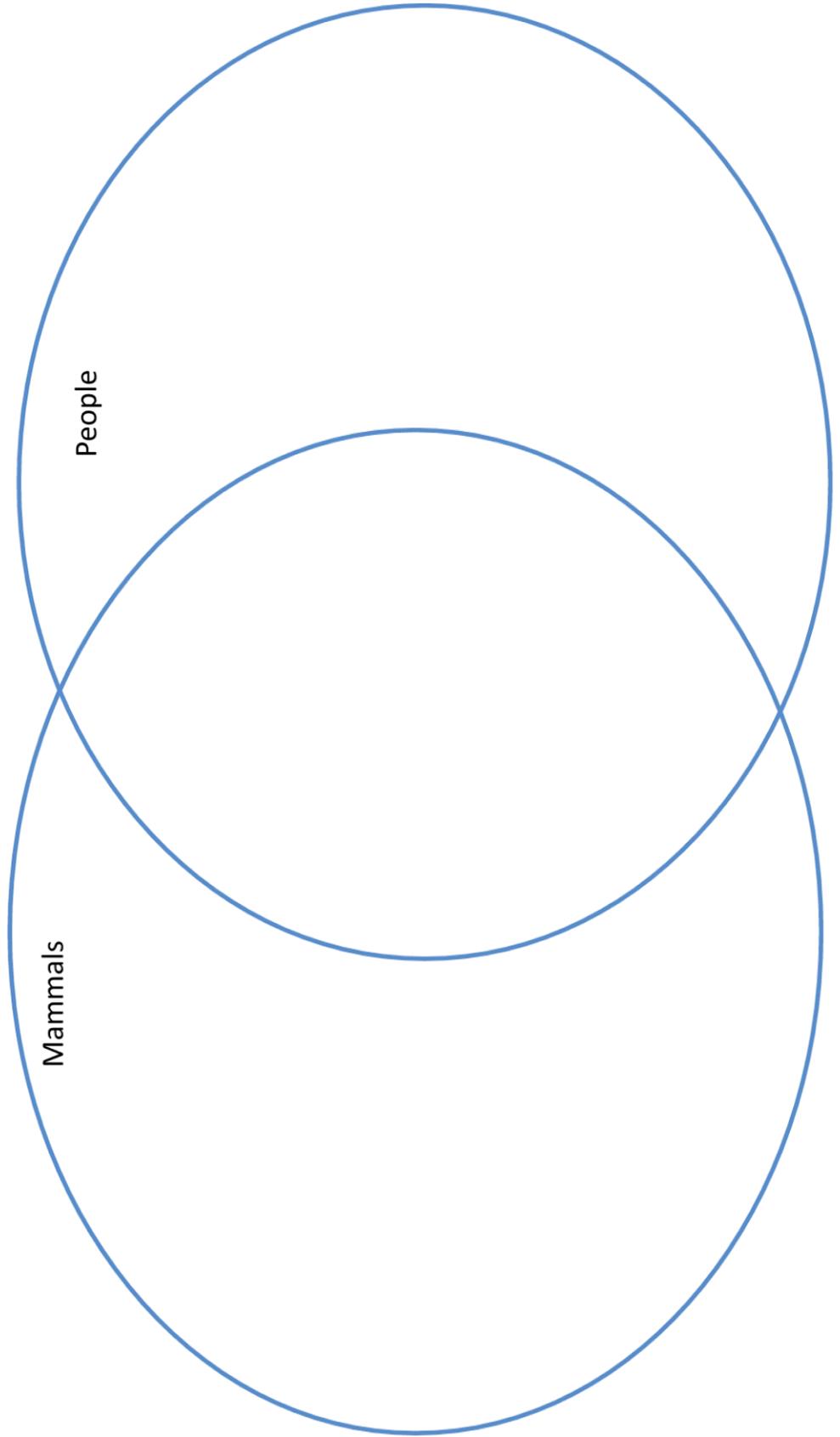
Explain an earthworm's method of locomotion.

Day 6: Lesson 79 "Land Vertebrates"

Day 6: Lesson 80 "More on Insulation"

Day 6: Lesson 81 "People"

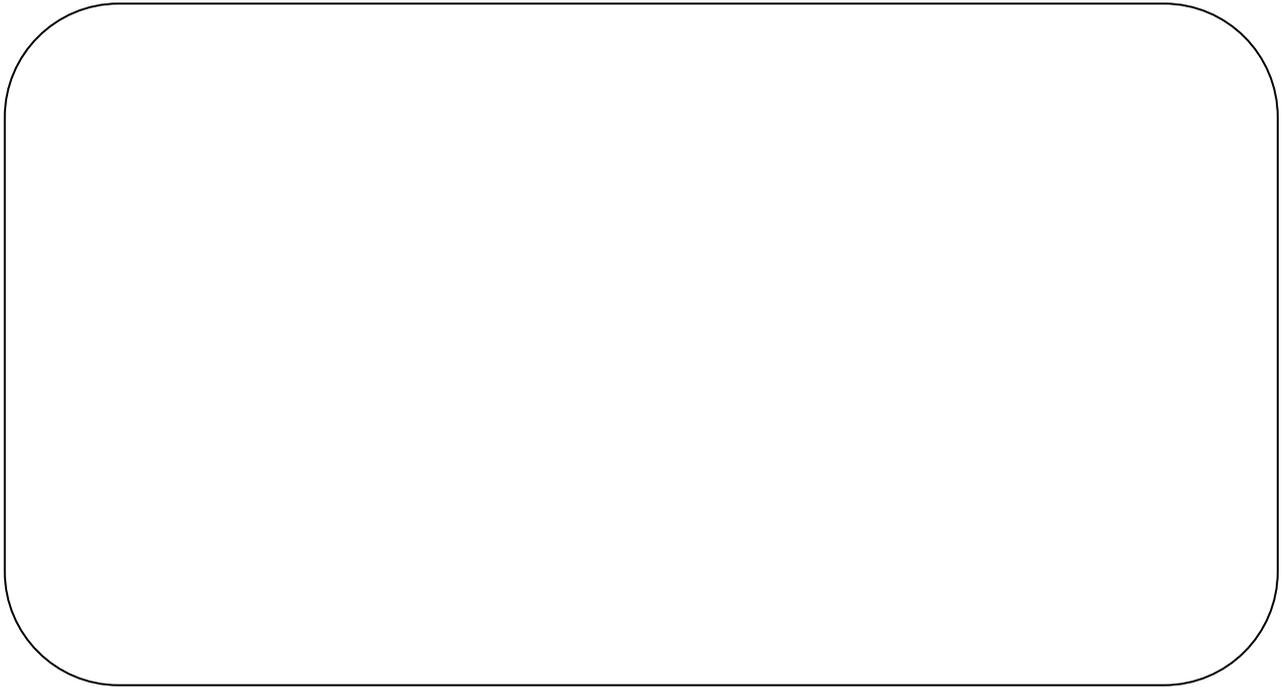
Day 6: Lesson 81
"People"



Day 6: Lesson 82 "Depth Perception in the Sense of Sight"

Day 6: Lesson 82
"Depth Perception in the Sense of Sight"

Draw two pictures similar to the ones on page 250, showing two animals that have different eye positions. (Or find two similar pictures to paste below.)

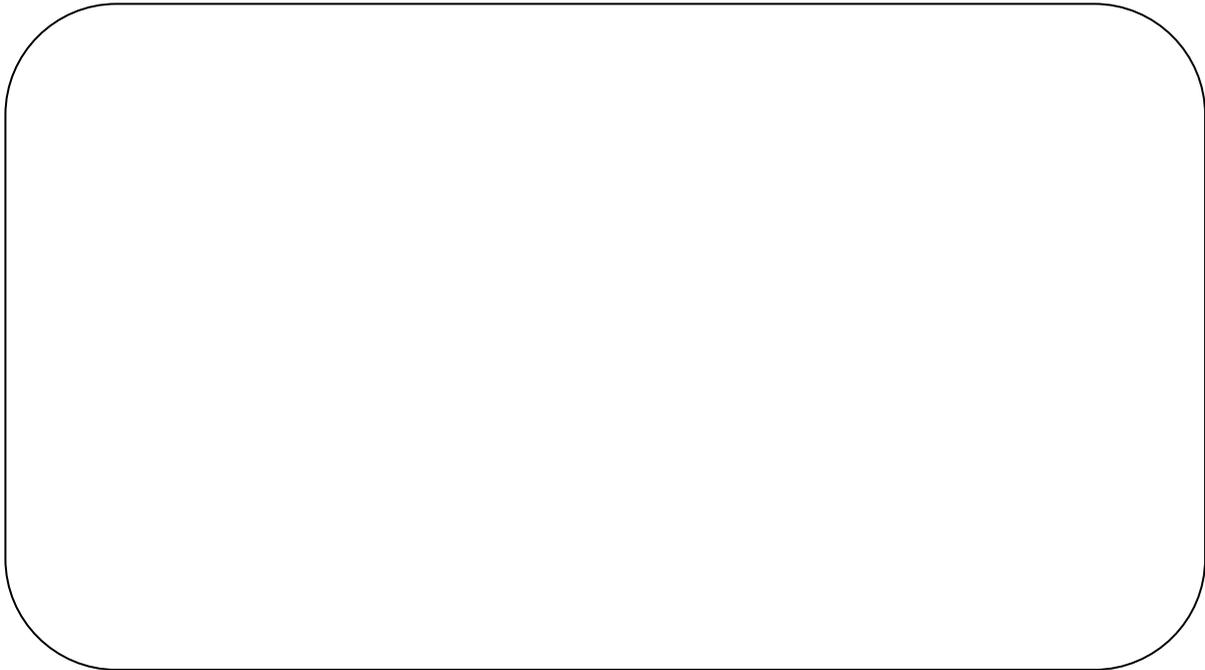


Explain why the animal with the eyes close together on the front of the face has good depth perception and the one with eyes on the sides of its face has a wider field of view. (Hint: use the term "binocular vision.")

Day 6: Lesson 83 "The Sense of Smell"

Day 6: Lesson 83
"The Sense of Smell"

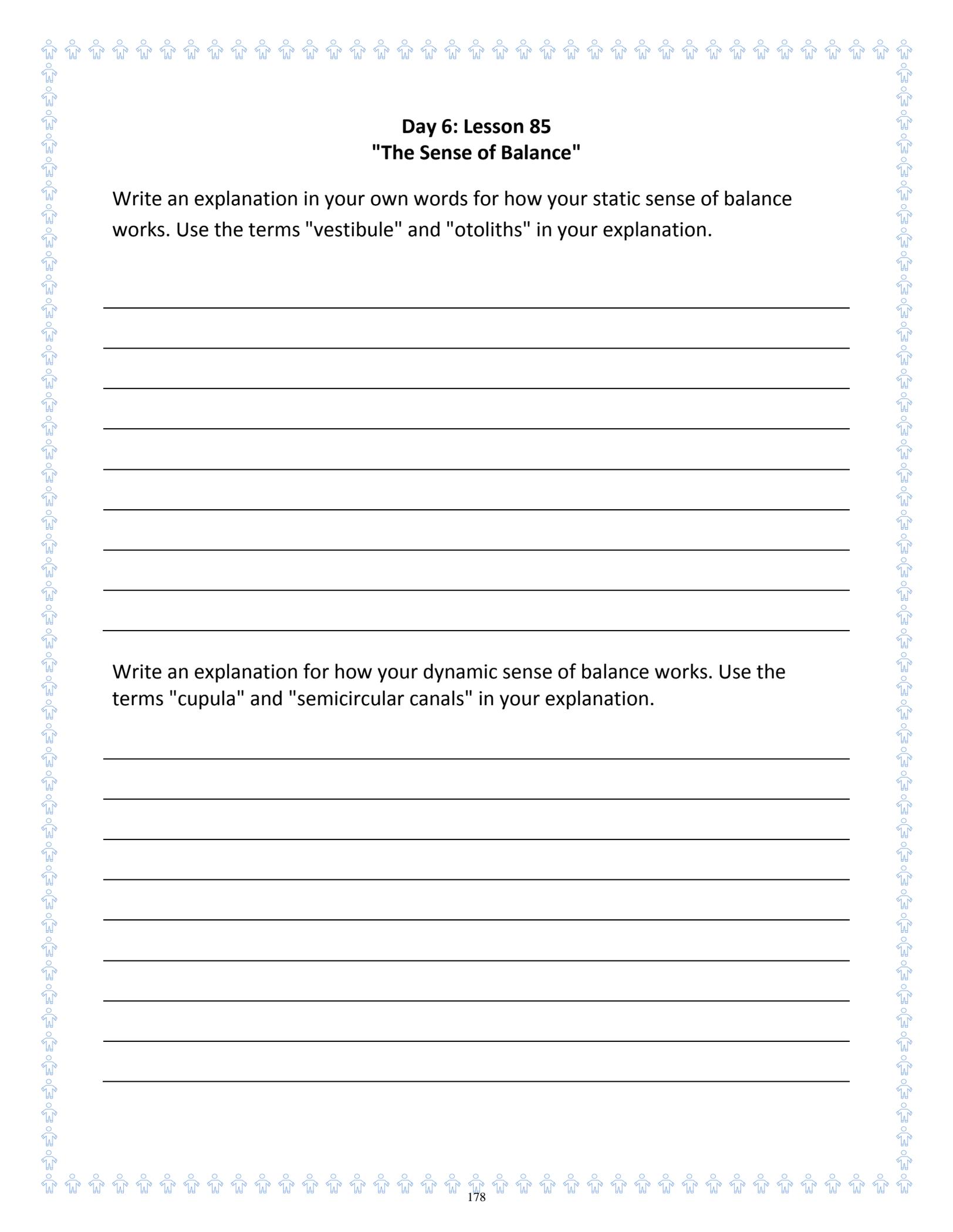
Draw a picture like the one on page 253. You don't have to have all the detail of the inside of the nose. Just draw the person, what he or she is smelling, and chemicals in the air going into the nose. Also, label the nare through which the air is entering.



Explain how this makes a sense of smell.

Day 6: Lesson 84 "The Sense of Hearing"

Day 6: Lesson 85 "The Sense of Balance"



Day 6: Lesson 85
"The Sense of Balance"

Write an explanation in your own words for how your static sense of balance works. Use the terms "vestibule" and "otoliths" in your explanation.

Write an explanation for how your dynamic sense of balance works. Use the terms "cupula" and "semicircular canals" in your explanation.

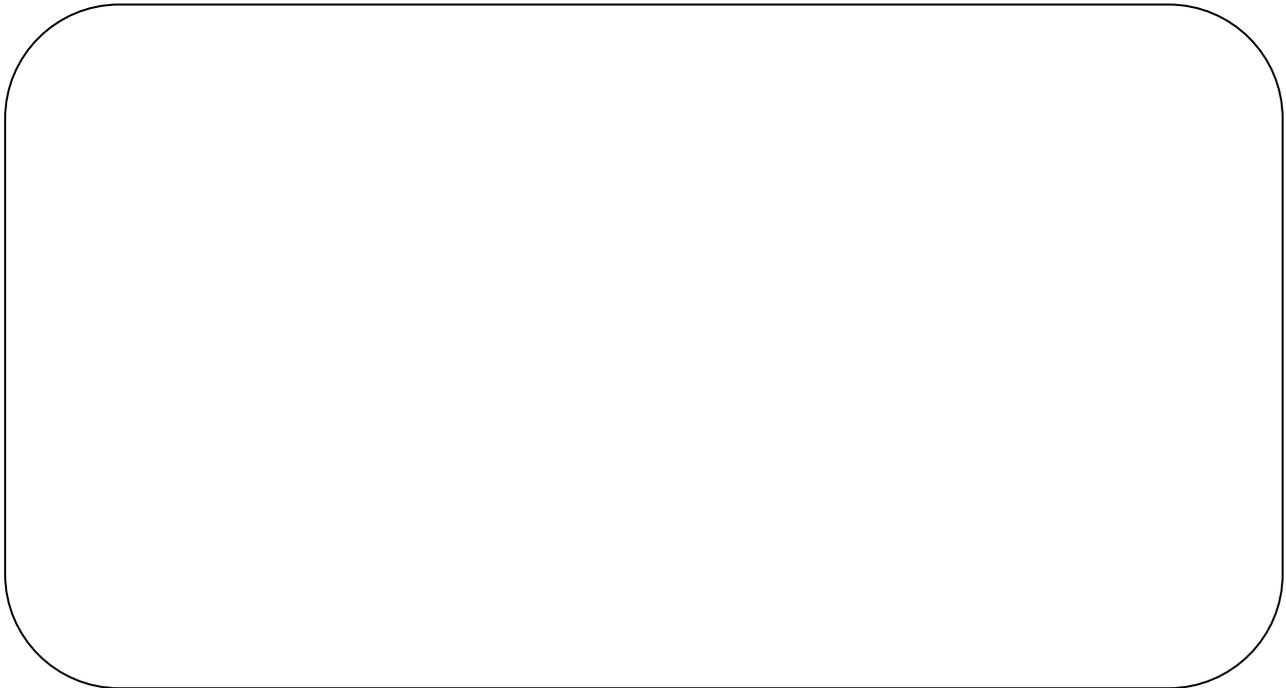
Day 6: Lesson 86 "The Sense of Taste"

Day 6: Lesson 87 "The Sense of Touch"

Day 6: Lesson 88 "Working Together"

Day 6: Lesson 88
"Working Together"

Draw a picture something like the illustration on page 268. It doesn't have to be nearly as detailed, but it should show the mouth, tongue, nose, nasal cavity, and throat. Draw dots that start on the tongue but continue all the way into the nasal cavity. The dots represent chemicals from food that is being eaten.

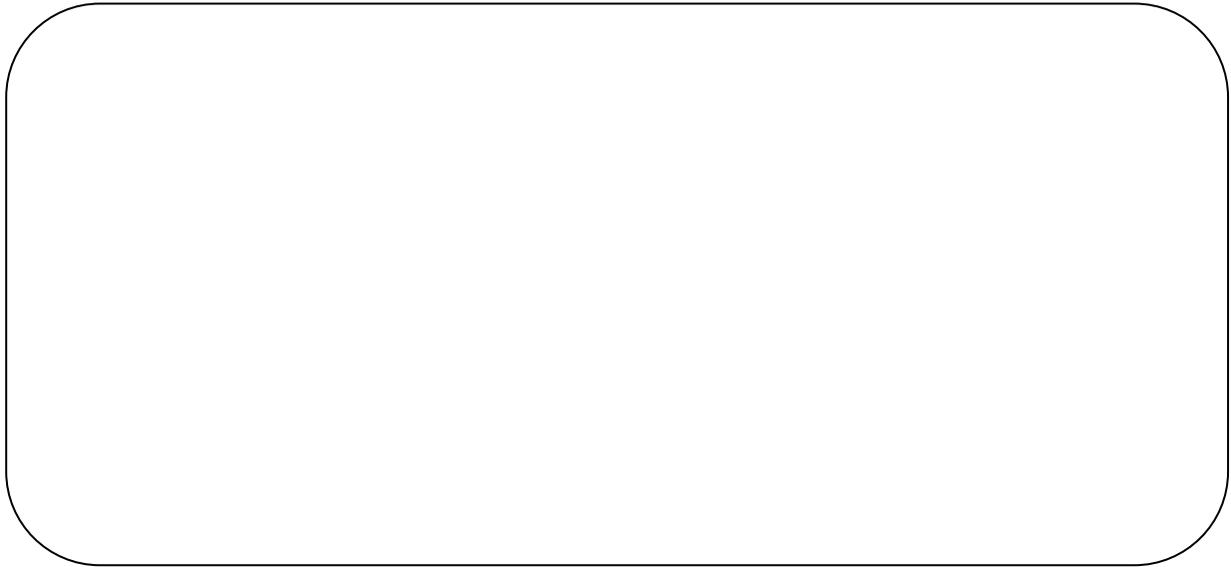


Explain how this allows your sense of taste and sense of smell to work together to produce the flavor of your food.

Day 6: Lesson 89 "More About Sight"

Day 6: Lesson 89
"More About Sight"

Draw two pictures of your eye during the experiment. Draw one picture that shows what your eye looked like in dim light, and draw another that shows what your eye looked like in bright light.

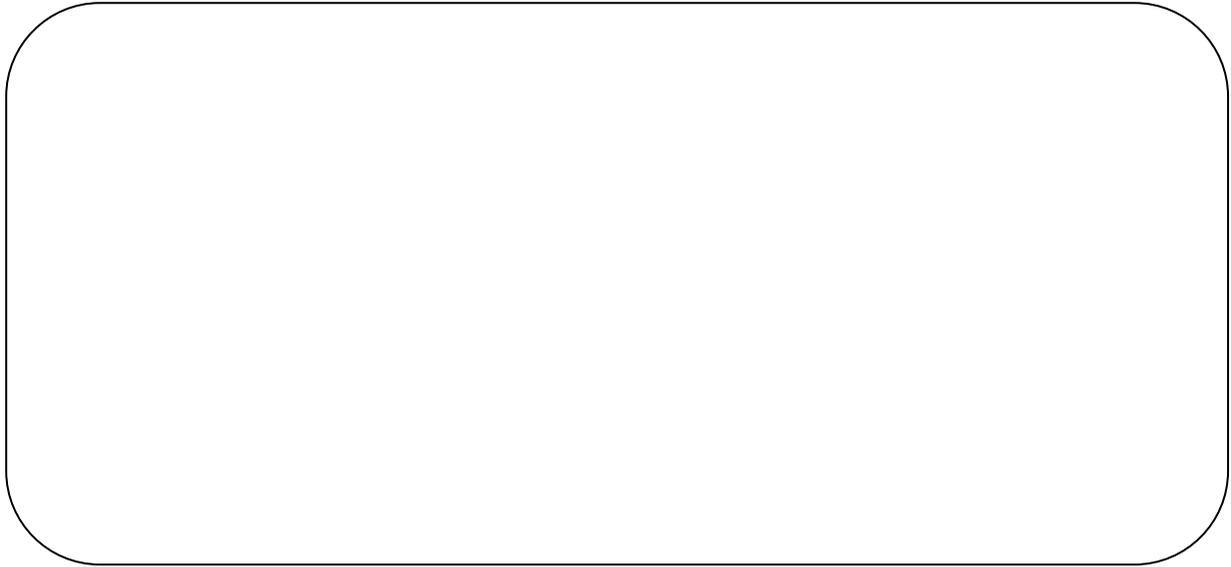


Explain why your eyes looked different. Be sure to use the words "iris" and "pupil" in your explanation.

Day 6: Lesson 90 "A Consequence of Depth Perception"

Day 6: Lesson 90
"A Consequence of Depth Perception"

Draw what your hand looked like in your experiment.



Explain why it looked the way it did. Use the words "optical illusion" in your explanation. Also explain what the dominant eye is, and write which is your dominant eye.
