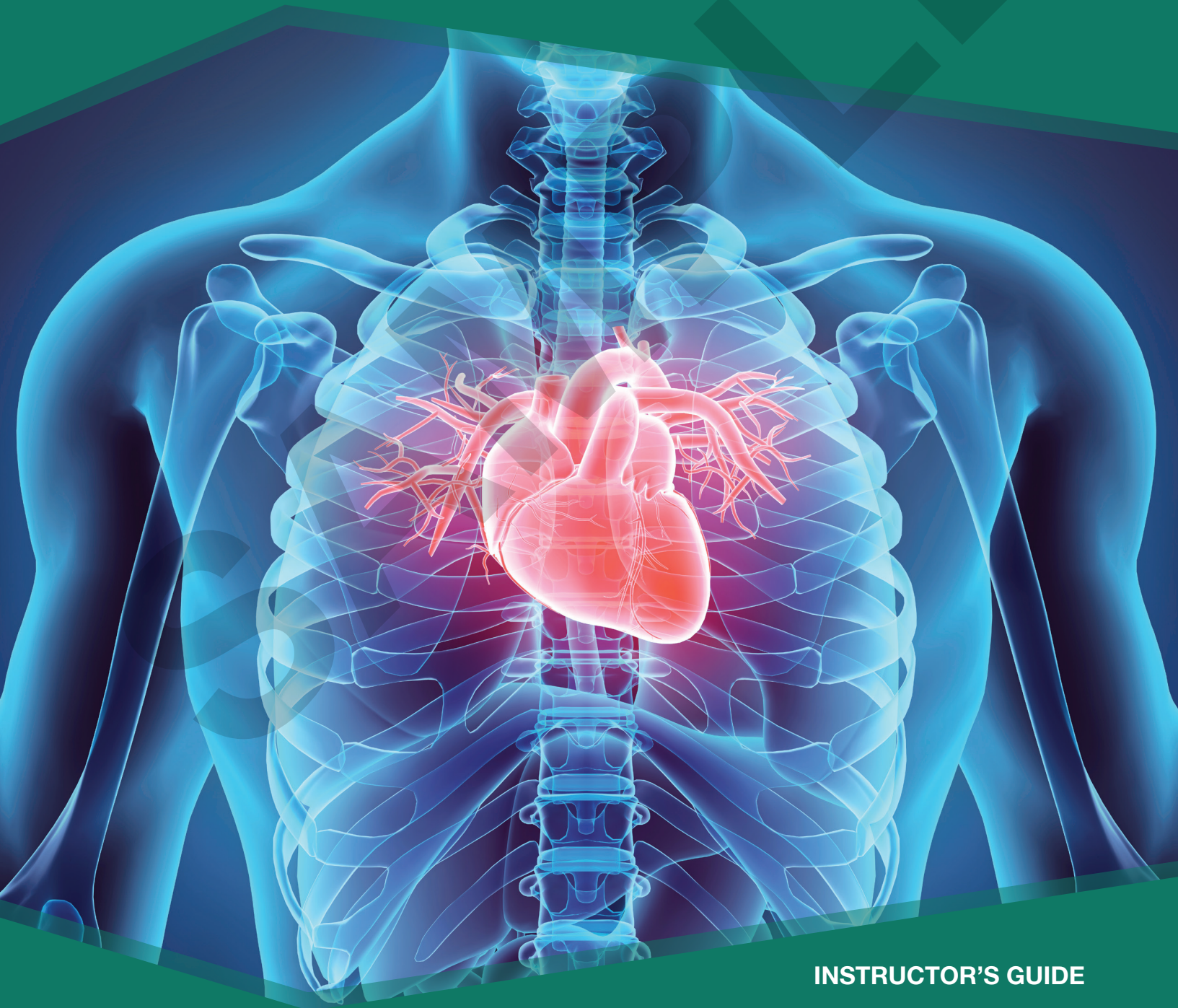


Science F



Science (5-Day)

Health, Medicine, and Human Anatomy

By The Sonlight Team

“I praise you because I am fearfully and wonderfully made; your works are wonderful, I know that full well.”

Psalm 39:14 (NIV)

Table of Contents

Sonlight Curriculum® “Intro to the World: Cultures” (5-Day) Instructor’s Guide and Notes, Twenty-Ninth Edition

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“Do to others what you would have them do to you”
(Matthew 7:12).

“The worker is worth his keep” (Matthew 10:10).

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Sonlight Curriculum, Ltd.
8042 South Grant Way
Littleton, CO 80122-2705
USA

Phone (303) 730-6292 Fax (303) 795-8668

E-mail: main@sonlight.com

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1 Introduction to Your Instructor’s Guide

- Table of Contents

2 Schedule, Notes and Activity Sheets

- A Weekly SCHEDULE for Science
- ACTIVITY SHEET ANSWER KEYS

Science F

Days 1–5: Date: _____ to _____

Week Overview																																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

Week 1					
Date:	Day 1	Day 2	Day 3	Day 4	Day 5
<i>The Usborne Complete Book of the Human Body</i>	pp. 6–9	pp. 10–11	pp. 12–13		pp. 65–67
Activity Sheet Questions	#1–3	#4–6	#7–9		#13–16
<i>Blood and Guts</i>				pp. 71–74	
Activity Sheet Questions				#10–12	
Do Together	Listen to Your students			Testing Temperature	
Optional: <i>Lyrical Life Science, Vol. 3—The Human Body</i>	chaps. 1, 7				
Additional Subjects:					

The Usborne Complete Book of the Human Body

Day 1 pp. 6–9

You may wish to view Human Anatomy Online located on our IG links page [\[p. 1\]](#)

“Amazingly complicated” are the words the book uses to describe the human body. They’re right! Psalm 139:13–14 reads, “For you created my inmost being; you knit me together in my mother’s womb. I praise you because I am fearfully and wonderfully made; your works are wonderful, I know that full well” (NIV). This is a fitting passage to review in preparation for the study of the human body. Did all these “hundreds of different” parts and “millions of microscopic units called cells” come together through chance, an undirected natural process, or through God’s design? [p. 7]

Day 3 pp. 12–13

Cells are a lot more complicated than people used to think. So how did the first cells come about? Different people have come to different conclusions. Some think that the first cells came about as a random result of various chemicals in the earth’s atmosphere coming together in just the right way, while others see the complexity of cells and come to the conclusion that they must have been specially designed. In looking at the illustration of a cell on page 13, what do you and your students think is the explanation for the origins of the first cells?

Activity Sheet Questions

Day 1 #1–3

Activity Sheets are included after the notes and are assigned on each schedule page. Each Activity Sheet has a corresponding Answer Key page following these schedule pages.

Science Week 1 Activity Sheet



The Usborne Complete Book of the Human Body

1. Use the words in the box to complete the following. (p. 7)

genes	cells	body parts
-------	-------	------------

Inside our (body parts) are millions of tiny (cells) that have (genes) inside of them which tell the cells the things they need to do to make our bodies work and keep us alive.

2. Write each term in one of the boxes below to organize each body part into the appropriate category. (p. 8)

brain	lungs	bone	stomach	juices	fat	sweat	muscle	blood	tears
Body Fluids					Body Tissues				
<u>(stomach juices)</u>					<u>(bone)</u>				
<u>(sweat)</u>					<u>(fat)</u>				
<u>(blood)</u>					<u>(muscle)</u>				
<u>(tears)</u>									

3. Shade the glass to show what percentage of your body is made up of water. (p. 8)

70%

4. Draw a line to match the terms to the correct definitions. (pp. 8–10)

systems	_____	A group of cells of the same type; includes fat, bone and muscle
organ	_____	A group of organs or body parts whose jobs are closely related.
tissues	_____	Different types of tissues grouped together to perform a particular task for the rest of the body.



Science Week 1 Activity Sheet

5. Match each body system to the main task(s) each performs. (pp. 10–11)

skeletal	_____	extracts oxygen out of the air and passes it to the rest of your body; gets rid of waste gases
muscular	_____	the male and female body systems that each play a part in making babies
skin, hair and nails	_____	gives your body its shape; joints link its pieces together
digestive	_____	sends messages and instructions from your brain to the rest of your body
nervous	_____	holds you up and makes you move
respiratory	_____	makes hormones that control how your body grows and changes
circulatory	_____	protects you from dirt and danger; helps control your temperature
endocrine	_____	pumps blood that carries food, oxygen and other chemicals to all of your cells
urinary	_____	changes food into energy
reproductive	_____	filters waste water and chemicals out of your blood to pass out of your body

6. Think of one body part that belongs to more than one body system and explain how it serves both systems. (p. 10)

(Possible: throat is part of the digestive system while you eat, and part of the respiratory system while you breathe; at the most basic level, your leg is part of both the skeletal system—gives your leg its structure, and the muscular system—helps you walk)

7. How do cells make the different proteins they need to do various jobs around your body? (p. 12)

(Cells combine amino acids in different ways to create the proteins they need)



The Usborne Complete Book of the Human Body

1. Use the words in the box to complete the following. (p. 7)

genes	cells	body parts
-------	-------	------------

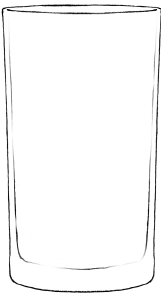
Inside our _____ are millions of tiny _____ that have _____ inside of them which tell the cells the things they need to do to make our bodies work and keep us alive.

2. Write each term in one of the boxes below to organize each body part into the appropriate category. (p. 8)

brain	lungs	bone	stomach juices	fat	sweat	muscle	blood	tears
-------	-------	------	----------------	-----	-------	--------	-------	-------

Body Fluids	Organs	Body Tissues

3. Shade the glass to show what percentage of your body is made up of water. (p. 8)



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systems

•

organ

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tissues

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- A group of cells of the same type; includes fat, bone and muscle
- A group of organs or body parts whose jobs are closely related.
- Different types of tissues grouped together to perform a particular task for the rest of the body.



Science Week 1 Activity Sheet

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- | | | | |
|----------------------|---|---|--|
| skeletal | • | • | extracts oxygen out of the air and passes it to the rest of your body; gets rid of waste gases |
| muscular | • | • | the male and female body systems that each play a part in making babies |
| skin, hair and nails | • | • | gives your body its shape; joints link its pieces together |
| digestive | • | • | sends messages and instructions from your brain to the rest of your body |
| nervous | • | • | holds you up and makes you move |
| respiratory | • | • | makes hormones that control how your body grows and changes |
| circulatory | • | • | protects you from dirt and danger; helps control your temperature |
| endocrine | • | • | pumps blood that carries food, oxygen and other chemicals to all of your cells |
| urinary | • | • | changes food into energy |
| reproductive | • | • | filters waste water and chemicals out of your blood to pass out of your body |

6. Think of one body part that belongs to more than one body system and explain how it serves both systems. (p. 10)



7. How do cells make the different proteins they need to do various jobs around your body? (p. 12)
