



Solar System: Introduction and Planets

For by Him all things were created, both in the heavens and on earth, visible and invisible, whether thrones or dominions or rulers or authorities—all things have been created through Him and for Him
Colossians 1:16

1. How far away from the sun is Pluto?
 - a. 0.93 parsec
 - b. 3.25 light years
 - c. 255 million miles
 - d. 39.5au
 - e. 25au
2. **True or False?** The orbit of objects around the sun is always perfectly circular.
3. What makes it difficult to draw solar system diagrams that are to scale?

4. **True or False?** A light year is such a vast distance—5.88 trillion miles—that there are at least 3 stars closer to earth than 1 light year.
5. Pollux is a star that isn't too far from earth, about 33.72 light years. How long does it take the light from Pollux to reach earth?

6. What is included in our Solar System?
- a. The sun
 - b. Pluto
 - c. Jupiter's moons
 - d. Comets that orbit the sun
 - e. Proxima Centauri
7. There are _____ full-size planets in our Solar System, and 5 _____ planets.
- 3, gas 8, dwarf 9, gas**
8. Which planets have a solid surface?
- a. Jupiter
 - b. Earth
 - c. Mercury
 - d. Saturn
 - e. Uranus
 - f. Mars
9. **True or False?** Pluto is a dwarf planet.

PUZZLE

Find all the words in the word search below.

Mercury Venus Earth Mars
Ceres Jupiter Saturn Uranus Neptune
Pluto Haumea Makemake Eris

H	S	G	D	L	R	S	K	G	I	C	D	K	R	Q	W	K	V
T	Q	H	C	O	D	P	D	K	N	E	F	F	G	K	D	I	T
Q	U	D	B	P	U	T	V	F	N	E	X	E	R	I	S	W	J
H	Q	X	B	P	K	L	Y	E	V	Y	Z	S	A	T	U	R	N
S	F	K	D	J	H	Z	D	O	N	S	T	J	K	L	M	Y	Y
F	U	Y	N	T	K	O	H	Z	N	U	O	D	O	G	H	L	X
Q	Y	V	Q	C	W	A	B	A	Q	F	S	Y	I	B	Z	W	I
P	B	H	U	R	A	N	U	S	U	M	K	Y	G	Z	Q	W	Z
J	I	D	N	T	Q	E	J	A	A	M	N	N	H	W	T	D	G
C	K	Y	P	G	P	R	T	G	G	I	E	O	S	G	F	G	M
E	K	X	K	Y	N	E	J	Q	D	K	M	A	X	U	D	M	X
E	L	Z	Q	K	N	O	U	N	I	U	A	A	G	V	F	E	X
A	L	C	N	U	Q	A	P	B	J	R	K	F	D	V	Q	R	Q
R	I	J	T	H	T	Y	I	J	J	Q	E	H	O	O	H	C	Z
T	B	P	F	P	L	U	T	O	D	V	M	E	U	I	H	U	X
H	E	I	Z	A	T	D	E	R	P	L	A	K	X	P	Y	R	J
N	M	A	R	S	Z	X	R	R	U	T	K	A	P	Z	M	Y	H
G	X	S	A	J	P	E	V	Z	Z	C	E	R	E	S	R	H	W



REVIEW: CLASSES 7–20

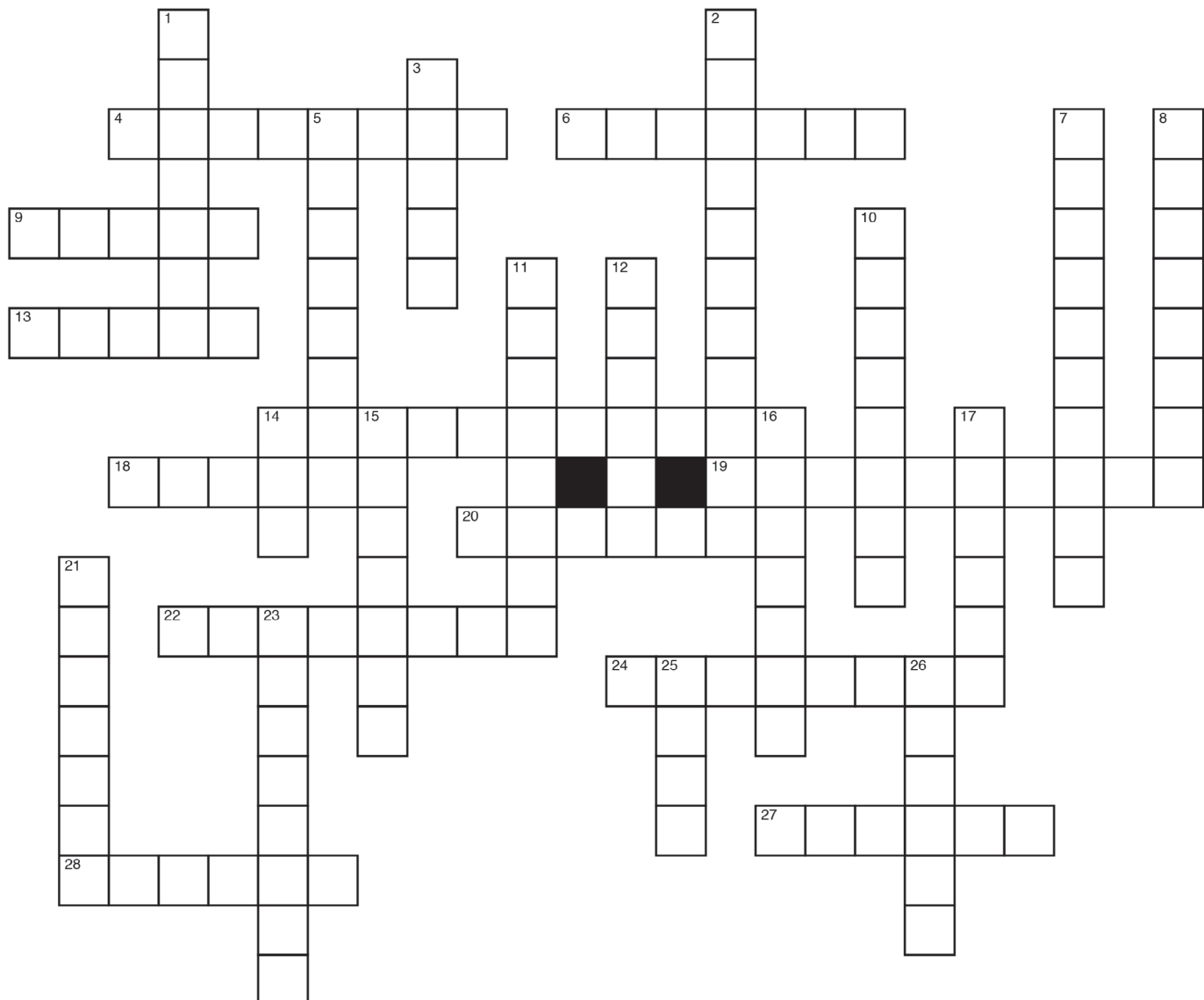
Finish the crossword puzzle below using the words provided.

Asteroid
Bowling
Corona
Coronal
Creation
Dwarf
Energy
Farthest

Fourth
Fusion
Heliosphere
Hydrogen
Jupiter
Largest
Lesser
Mercury

Naturalism
Plasma
Reflects
Revolution
Rings
Rotation
Sixth
Sol

Solar System
Spheroid
Sunspots
Voyager
Year



ACROSS

4. Earth's shape is an oblate _____.
6. Uranus rotates like a _____ ball.
9. Saturn is the _____ planet from the sun.
13. Pluto is a _____ planet.
14. The _____ is the collection of planets, moons, asteroids, and other objects that orbit the sun.
18. The _____ is the outer part of the sun's atmosphere.
19. The movement of a planet around the sun.
20. The space probe that reached Uranus and Neptune is _____.
22. The moon _____ light from the sun.
24. The sun is mostly _____ plasma.
27. The _____ planet from the sun is Mars.
28. Genesis describes the moon as the _____ light.

DOWN

1. The outer planet closest to the asteroid belt.
2. The area of space that receives solar wind from the sun and protects the solar system.
3. Robert Hooke drew Saturn's _____ in 1666.
5. The motion of a planet spinning on its axis.
7. The model for how the universe formed that says that a singularity exploded and formed the universe.
8. The model for how the universe formed that says that God created the universe.
10. The _____ Belt is between the orbits of Mars and Jupiter.
11. Localized "cool" spots on the sun.
12. The state of matter that makes up the sun.
14. The Latin word for "sun."
15. Jupiter is the _____ planet.
16. The planet closest to the sun.
17. A _____ reaction converts hydrogen into helium and produces heat and light, fueling the sun.
21. Enormous solar flares are called _____ Mass Ejections.
23. Neptune is the _____ planet from the sun.
25. It takes the earth one _____ to go around the sun.
26. The sun generates _____ every second.