

## Astronomy Review Sheet (ANSWERS)



Assessment is on _	No. of the second secon			
1.EGravity	A. rocky satellite that orbits a planet			
2.A Moon	B. chunk of rock or metal that enters the			
<b>D</b>	Earth's atmosphere			
3. D Comet	C. metallic rock that orbits the sun			
B	between Mars and Jupiter			
Meteor Meteor	D. ice and dust that orbits the sun			
5. Asteroid	E. force that keeps planets in orbit			
	around the sun			
6. Mars and Jupiter are	planets, but Pluto is a Mart			
10 0 0 0	cause Pluto has too many			
Objects in	n its <u>orbital</u> path.			
7. From Earth, we see the su	un in the day sky and other stars in the			
night sky. Nighttime stars	s look like tiny points of light. Nighttime			
stars appear so much <u>St</u>	maller than the sun because			
the SUN	Clocan			
The 3001	is <u>Closer</u> to			
tarth	•			
	TABLES, CHARTS, AND DIAGRAMS.**			
-	t different diagrams, charts, or questions			
will appear on the assessmer	1†.			
8. Identify the inner and ou	iter planets, in order, from the sun.			
Inner Planets	Outer Planets			

Outer Planets
Jupiter
Saturn
Uranus
Neptune

9. Complete the chart to compare the inner and outer planets.

Characteristic	Inner Planets	Outer Planets	
General size	Small Big		
Composition (made of)	Rock	Gas	
General temperature	Warmer (usually hot)	Colder (negative)	
Time of rotation	Spin slowly	Spin quickly	
Time of revolution	Orbit quickly	Orbit slowly	
Moons	Few moons	Many moons	
Rings of debris	No rings	Many rings	
Distance from sun	Close	Very far	

10. Label these celestial objects by size. 1 is the smallest. 8 is largest.

5\_ inner planets

3 Earth's moon

\_\_\_\_\_\_ outer planets

 $\frac{7}{}$  the sun

11. Label the planets in the diagram.

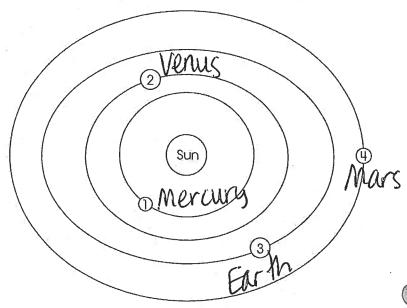
4 dwarf planets

\_\_\_\_ most comets

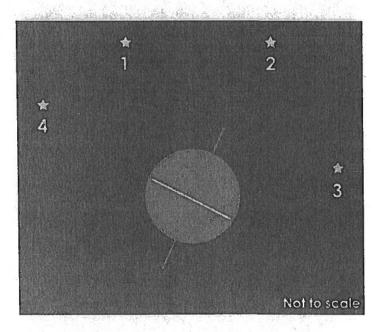
8 most stars

2 most asteroids

A Diagram of the Planet Orbits Closest to the Sun



of four stars relative to Earth's axis and equator. When viewed from the Northern Hemisphere, star \_\_\_\_ appears to stay in the same place in the sky throughout the night. This star appears to stay still while other stars appear to move across the sky because \_\_\_\_ Earth

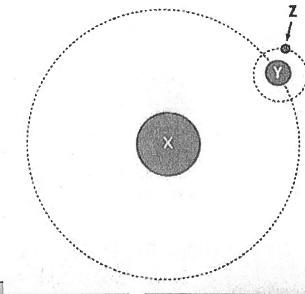


rotates on

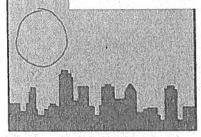
13. The diagram shows three celestial objects and the orbital paths of two of the objects. Complete the table to label the objects.

Object	Name
X	star, sun
У	planet
Z	moon

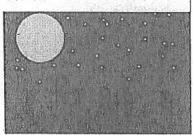
**Orbital Paths** 



14. A student takes a picture of the sky from her window once during the day and once again at night. The sun and moon appear to be the same size in the pictures because the sun is <u>Larger</u>,



Daylime Sky



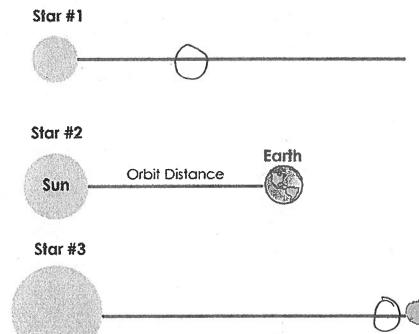
Nighttime Sky

but it is <u>farther away</u> than the moon.

15. Use the chart to compare and contrast the sun and other stars.

Characteristics	Sun Other stars		
When can you see it?	daytime	nighttime	
Makes its own light?	Yes	Yes	
In or outside our solar system?	Inside	Outside	
Actual size of star	Medium-sized dwarf	Bigger and smaller	
Size it appears from Earth	Largest	Smaller	
Composition (made of)	Gas	Gas	
Distance from Earth	Close	Far	
Apparent brightness	Very bright	Bright, medium, dim	
Actual color	Yellow	Blue, white, red, yellow, orange	

- 16. One night while camping, a student observes that the moon and stars appear to move across the sky. The moon and stars appear to change position because the Earth 10 tates
- 17. Three stars of different sizes are shown. Star #1 is smaller than our sun, and star #3 is bigger than our sun. The distance from Earth to the sun is shown. Draw an earth-sized planet on each line at a distance such that Stars 1 and 3 appear to be the same size as our sun when viewed from that planet.



18. Complete the following chart with characteristics of Earth:

Earth's shape	Orbit Shape	Angle of axis- tilt	Length of revolution	Length of rotation
			Luear	Iday
Sphere	circle/oval	231/2°	365 /4 days	24 hours

## Match the term to its meaning:

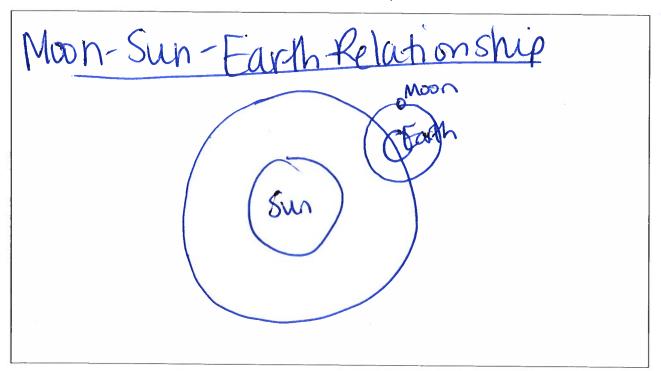
19 Rotation

20 Revolution

21. Spin 22 Orbit

23.**\( \)**50

- A. percent of Earth that experiences night at the same time
- B. this causes the pattern of day and night on Earth
- C. go around the sun
- D. synonym for rotate
- E. synonym for revolve
- 24. During the day, the sun appears to move in the sky. At nighttime, the stars and moon change position in the sky. This phenomenon occurs because the stars on its axis.
- 25. Diagram the moon-sun-earth relationship



## Match the term to its meaning:



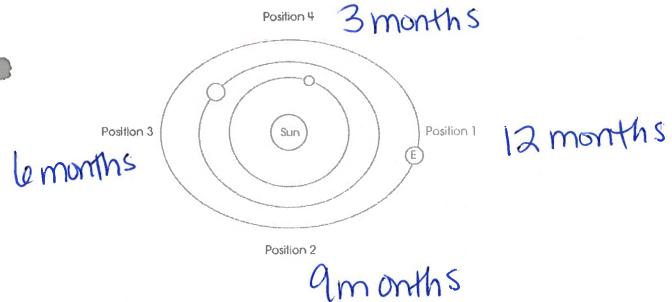
27 West

28 East

29 Satellite

30 ARover

- A. NASA vehicle that explores planetary surfaces
- B. The sun appears to rise in this direction
- C. The sun appears to set in this direction
- D. Instrument that reflects or refracts light to view space from Earth
- E. Instrument that orbits Earth to take photos or view space
- 31. The diagram show the position of the Earth (E) now. Label where the Earth will be in 3, 6, 9, and 12 months.



(b)