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Quarter 2 – Astronomy

Study Guide

General:	Space
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	1.	What scientist is known for their idea that the Sun was at the center of the solar system?
	2.1	What does heliocentric mean?
		How many degrees is the Earth's axis tilted?
	4.	What object has more gravity, a dog or an elephant?
		a. Why?
	5.	Place the following in the correct order based on size: Sun, solar system, Earth, universe, galaxy Smallest Largest
	6.	Define rotation:
	7.	Define revolution:
	8.	What is the Sun?
		How many stars are in our solar system?
		How long does it take for the Earth to rotate on its axis?
•	11.	How long does it take for the Earth to revolve around the Sun?
Se	asons	
	12. 13.	What are the four seasons?
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14.	In what season will the northern hemisphere have the f	nighest temperatures?	
15.	In what season will the southern hemisphere have the h	highest temperatures?	
16.	In what season will the northern hemisphere have the I	owest temperatures?	
17.	In what season will the southern hemisphere have the I	owest temperatures?	
18.	What seasons will the earth experience even heating?		
19.	During an equinox, the Earth gets		
	hemispheres.		
20.	During a solstice, the Earth gets	amounts of light on the	
	hemispheres.		
21.	In the summer, the sun's rays are (more/less) direct ma	king the temperatures rise.	•
22.	In the winter, the sun's rays are (more/less) direct make	ing the temperatures drop.	
23.	In the spring and fall, the sun's rays are (more/less) dire	ect at the equator.	
ides			
24.	What creates the tides on Earth?	<u> </u>	
25.	There are tides in a day.		
26.	Neap tides occur during which two moon phases?		
27.	Spring tides occur during which two moon phases?		
28.	What angle do the Moon, Sun, and Earth form during a	Spring tide?	
29.	What angle do the Moon, Sun, and Earth form during a	Neap tide?	
tars			
30.	What is a constellation?		·
31.	The North Star is also called:		
32.	What is the term used for constellations that can be se	en all year?	
22	Why does it look like the constellations are moving?		
33.	ANIIA GOOD IS LOOK HELD STILL SOLID COURCES IN STILL WALLES		

34. Draw and label the following constellations: Ursa Major, Ursa Minor, Cygnus, Hercules, and Cassiopeia

Moon Phases and Eclipses

35. Why are there phases of the moon?

36. The Sun is always shining on how much of the moon?

37. Describe a solar eclipse: (Draw a picture too)

38. Describe a lunar eclipse: (Draw a picture too)

39. How many days does it take the moon to travel around (revolve) the Earth?

40. Draw the moon phase you would see and label it:

Earth

SUN

