Name:_			

Using your guided notes, answer the following questions about the moon.

Atmosphere a	and Surface	Features
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1.	Why are there no gas particles, and therefore no atmosphere, on the moon?
2.	What is the average surface temperature of the moon in direct sunlight?
3.	What is the average surface temperature of the moon at night?
4.	Why is there no liquid water on the moon?
5.	Where is ice located on the moon?
6.	What are maria?
7.	What are lunar highlands?
8.	Much of the moon's surface is covered with impact
9.	What are craters?
10.	What are meteoroids?
11.	What happened to craters on Earth?
12.	Using information from the last question, why do so many craters still exist on the moon?

Formation of the moon

1. Explain how the moon was formed. (Use words such as forming, Mars-sized object, collided, ejected, orbited)

Phases of the Moon

9. What is this period of time called?

1.	What causes the pha	ises of the moon?				
2.	The moon cannot pr	oon cannot produce its own light, so where does the light come from?				
3.	True or False: The m	oon always appear	rs the same in the night	t sky?		
4.	What are phases?					
5.	Sunlight illuminates	of th	e moon.			
6.	The phase of the mo	on is dependent o	n one thing, what is it?			
7.	notes is not clear en	ough	3 in your textbook to h side faces	nelp with this section if the picture in your	guided	
	a. New Moon -	- The	side races	Irom Earth.		
	b. Waxing cres	cent – The moon is	s waxing, or	·		
	c. First Quarte	– The moon has c	ompleted one	of its cycle.		
	d. Waxing gibb	ous – The moon co	ontinues to			
	e. Full Moon –	The entire	side	Earth.		
	f. Waning gibb	ous – The moon is	waning, or	.		
	g. Third Quarte	er – The moon has	completed three	of its cycle.		
	h. Waning cres	cent – The moon c	ontinues to	·		
	i. The whole p	rocess starts back (over again.			
8.	How long does it tak	e for the moon to	complete a full cycle of	f phases?		

Eclipses

1.	What is an eclipse?
2.	What must happen for an eclipse to occur?
3.	Why don't eclipses occur every month?
4.	When is the only time that an eclipse will occur?
5.	What is a solar eclipse?
6.	What is the umbra?
7.	The umbra blocks out the sun.
8.	How many people see the umbra?
9.	What is the penumbra?
10.	People within the penumbra see a solar eclipse.
11.	What is a lunar eclipse?
12.	When would you see a total lunar eclipse?
13.	When would you see a partial lunar eclipse?

<u>Tides</u>

1.	What are tides?			
2.	What causes tides?			
3.	The gravitational force of the moon pulls more			
4.	it, and less What does the difference in gravitational pull cause?	$_{ extsf{o}}$ on the side that is $_{ extsf{c}}$	from it.	
5.	Where is this effect greater: solid land or oceans?			
6.	The gravitational pull of the moon causes the oceans to and farthest from it.		at the locations cl	osest to
7.	When do high tides occur?			
8.	How many high tides and low tides occur each day?			
9.	How much effect does the sun have on the tides?			
10.	During tides the pulls of the	and sun	together.	
11.	Describe what happens during this tide.			
12.	During tides, the moon and sun pull E	arth and its oceans a	atangle	≘ S.
13.	Describe what happens during this tide.			