## **Notes: Moon Topics**

name:	

1. Explain the most accepted hypothesis about how the Moon was formed?

and the "splash of material" became our moon

- 2. Why were some areas on the Moon named "maria" (singular is "mare")? In reality, what are these areas?
- 3. How long does it take the Moon to orbit the Earth? . . . and how much is its orbit tilted?
- 4. The Moon rises in the east and sets in the west just as the Sun does. What causes this?
- 6. Why does the Moon rise about 50 minutes later each day?

The Moon orbits and the Earth spins, so\_\_\_\_\_

7. Why don't we always see a whole circular Moon?

You can only see the	part of the Moon that is
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You must be on the side of Earth that is \_\_\_\_\_

- 8. What causes a "lunar eclipse"?
- 9. Why is a solar eclipse visible for such a small time (several minutes) and from such a small area?
- 10. At least \_\_\_\_\_\_ solar eclipse happens every year, but you can expect to see on only once

every \_\_\_\_\_ years, unless you are willing to travel.

11. What effect does the Moon have on the water in our oceans?

Moons gravity

12. What was the ideal scenario for the invasion of Normandy (D-Day) in 1944?

Tides:		
Moon Phase: _	 	 
Time of Day: _		

13. Sketch and label the two Earth-Moon-Sun situations that would cause there to be very high and very low tides on the same day (called "spring tide")

14. Sketch and label the two Earth-Moon-Sun situations that would cause there to be not very "high" and not very "low" tides on the same day. . . called "neap tide"

15. What is the tidal range at the Bay of Fundy when it comes to tides?

Spring Tide range: \_\_\_\_\_

## Assignment:

- 1. Go to www.formontana.net/ and select pictures #37 and #48. Read them.
- Go to www.bengalfrosh.com -> Benson's Site -> "Unit 9" scroll down and select "Online Moon Phase Exercise". Do all 3 parts. On Activity #2, answer the questions and then select "submit answers". Print out a copy of your answers.
- 3. Put it in your folder. It will not be graded, but Benson will check to see if you did it when he checks notebooks/folders during your final exam. More importantly, there will be questions on the final exam to see if you understand moon phases.