

Tides Worksheet

Feel free to go back to any of the resources we have already used to answer the questions. Additionally try this site: <http://www.sfgate.com/getoutside/1996/jun/tides.html>

1. What are tides caused by? _____

2. Which exerts stronger gravitational pull on earth, the sun or the moon?

3. What happens when the moon faces one side of the earth?

4. What is a spring tide? _____
5. What position do the sun and moon have to be in to create a spring tide?

6. Explain a neap tide. _____

7. In most places on earth, how often do high and low tides occur?

8. How long does it take the moon to completely rotate around the earth?

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Draw the phases of the moon around the earth below. Label neap tides with an N and spring tides with an S.

