

Name: _____ Period: _____ Date: _____

Earth: Power of the Planet

The Oceans

Directions: Answer the following questions using complete sentences only where necessary.

- 1) Ocean waves get their energy from the _____.
- 2) If not water, then what is actually moving as waves travel across the ocean? _____
- 3) What causes an ocean wave to “break”?
- 4) The tides are caused by the gravitational pull of the _____ and the _____.
- 5) Explain what happens during a tidal bore, such as that in the Amazon River. What causes this?
- 6) Why does the eastern shoreline of England get destroyed more quickly than the western shoreline of the US?
- 7) Where do scientists believe a new ocean is being formed? What evidence tells us this?
- 8) Why is the Strait of Gibraltar critically important to the Mediterranean Sea?
- 9) How did the Sicilian elephants end up on the island of Sicily, and how did they get so small?
- 10) What are the two main reasons phytoplankton are so vitally important to life in the seas AND on land?
- 11) What significance did the rubber duck toys have for the field of oceanography?
- 12) Why doesn't England experience a much colder climate, such as that of northern Canada?