

Oceanography Worksheet

Name: _____ Period: _____

True or False:

- _____ 1. The salinity of ocean water tends to be lower near fresh water runoff from rivers.
- _____ 2. The amount of dissolved solids in the water, like sodium chloride (NaCl), affects the density of ocean water.
- _____ 3. The moon's gravitational pull on Earth is responsible for the changing tides.
- _____ 4. The sun's gravitational pull also affects Earth's tides, but due to distance, the moon affects the tides more.

Multiple Choice:

- _____ 5. The largest of the oceans is the
- | | |
|-------------|------------|
| a. Atlantic | c. Pacific |
| b. Indian | d. Arctic |
- _____ 6. The boundary between continental and oceanic crust occurs at the base of the:
- | | |
|----------------------|--------------------|
| a. continental shelf | c. abyssal plain |
| b. continental slope | d. mid-ocean ridge |
- _____ 7. Which ocean contains the greatest number of deep-sea trenches (and is also home to the Mariana Trench)?
- | | |
|-------------|-----------|
| a. Atlantic | c. Indian |
| b. Pacific | d. Arctic |
- _____ 8. The shallowest (least deep) portion of the continental margin (where you would wade in the ocean waters) is the:
- | | |
|----------------------|--------------------|
| a. continental shelf | c. mid-ocean ridge |
| b. continental rise | d. abyssal plain |
- _____ 9. The waters in the ocean move in giant streams called
- | | |
|---------------|----------|
| a. currents | c. waves |
| b. westerlies | d. tides |

****Questions 10-20 can be found on the other side of this worksheet.****

Fill-in-the-Blanks: *Not all options below will be used. No option will be used more than once.*

nodules	Southern	covalent	seamounts
sonar	hydrogen	absorbed	The Coriolis Effect
carbon dioxide	reflected	Atlantic	polar
Pacific	heat	submersible	Indian
atolls	Arctic	cold	The Gulf Stream

10. Water is _____ and forms temporary _____ bonds with other water molecules. This is the basis for many of water's unique characteristics.
11. Ocean water easily absorbs _____ and _____ from the earth's atmosphere.
12. Clear water generally appears blue because blue wavelengths are the only wavelengths that tend to be _____.
13. Volcanic mountains scattered along the ocean basin are _____.
14. The area labeled X in the diagram to the right is part of the _____ Ocean.
15. The ocean labeled Y in the diagram to the right is the _____ Ocean.
16. The general name for an underwater research vessel is a _____.
17. The technique in which sound waves are used to measure depth is called _____.
18. Lumps of minerals, like manganese, are mined on the ocean floor. These lumps are called _____.
19. What is the deflection of the earth's winds and ocean currents caused by the earth's rotation called? _____.
20. What warm-water current is found just off the eastern coast of the United States?
_____.

