

Marine Biology Chapter 3 Worksheet

Name: _____

Date: _____

1. Explain the 3 states of water.
2. How does temperature affect the density of sea water?
3. Explain why frozen sea water is less dense than liquid sea water.
4. Define salinity.
5. What is the Rule of Constant Proportions?
6. Explain what a thermocline is and sketch an example of the thermocline in a vertical column of water.
7. Explain how and why gases exchange in sea water, both into and out of the water.
8. Sunlight is the main source of energy for the oceans in much the same way as in terrestrial habitats. What is the depth at which sunlight can penetrate in the ocean and why does the ocean appear blue?
9. What is the relationship between Pounds Per Square Inch (PSI) of pressure and depth in the ocean?
10. How much psi would a human feel at a depth of 110 meters?
11. How deep is a fish in the ocean if it has 529.2 psi?
12. What are the trade winds?