

Name: _____ Period: _____ Date: _____

Ms. Randall Marine Science

Unit 5 Chemical Oceanography Exam Study Guide

1. Describe the water cycle
2. Define pH. Explain ocean acidification. How does the ocean buffer pH?
3. Describe the structure and special properties of the water molecule due to its polarity (adhesion, cohesion, surface tension).
4. Define specific heat capacity and the impact on the ocean's temperature
5. Define Salinity. What are the sources of ocean salts? How does salinity change with ocean depth?
6. Describe changes in temperature and pressure with changes in ocean depth.
7. Describe how temperature, and salinity affect water density