

PRE-LECTURE: INTRODUCING THE WORLD OCEAN, CHAPTER _____

NAME: _____ **Class/Section:** _____

I. OVERVIEW

Fill in the term(s) that best fits the definition.

1. _____ units of time (two words)
2. _____ units of space (two words)
3. _____ men and women who study the ocean
4. _____ all of the water contained by the ocean basins
5. _____ a science that draws upon the expertise of many fields of science
6. _____ the overabundance of nutrients from sewage and agriculture that disrupts the oxygen balance of marine ecosystems
7. _____ the long-term average of ocean and atmospheric conditions
8. _____ the harvesting of fishes at a rate faster than they can replenish
9. _____ the long-term rise in global temperatures (two words)
10. _____ the deepest known location in the world ocean (two words)
11. _____ a dynamic and social approach to the scientific method (two words)
12. _____ the time scale of phytoplankton blooms (the numerical range)
13. _____ the space scale of phytoplankton blooms (the numerical range)
14. _____ the continent closest to Cape Verde
15. _____ all of the waters where the simultaneous presence of terrestrial and oceanic properties can be detected (two words)

II. WORKING WITH UNITS

How many times bigger is the first unit than the second unit?

1. m vs cm? _____
2. m vs nm? _____
3. km vs m? _____
4. μm vs pm? _____
5. km^2 vs m^2 ? _____
6. ft^2 vs in^2 ? _____
7. m^3 vs cm^3 ? _____
8. kg vs g? _____
9. km/h vs m/s? _____
10. knot vs mi/h? _____

III. YOU AND THE SEA

Write 25 complete sentences in the form of a first-person essay that describes your relationship with the ocean. You might write about your ocean-related job, our ocean-related recreation or hobbies, the ocean-related products you eat or use, your appreciation for ocean-related art or music, or anything else you can think of that connects you to the ocean. Be thoughtful in your description. Number each sentence individually!

IV. SELF ASSESSMENT

1. How long did this exercise take you to complete?
2. What topic(s) or concept(s) are giving you problems?