

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***STUDY GUIDE CHAPTERS 18, 19, & 2***

1. Know ALL of the major features of the ocean floor. Be able to draw and label a diagram. Know how the size of the Atlantic Ocean is changing over time.
2. Know all about surface currents! Know how to determine if they are warm or cold. Be able to explain the Coriolis effect and how it affects the flow of currents.
3. Be able to explain how the moon affects tides. Draw the Earth/moon diagram and discuss it. Be able to explain why the tidal cycle is 24 hours and 50 minutes, not just 24 hours. Know the difference between neap tides and spring tides.
4. Know how oceans formed. Know why they are so salty.
5. Know the parts of a wave. Know how breaker waves crash on shore.
6. Be familiar with surface currents, upwellings, and rip currents. Be able to explain all three. Draw a diagram showing how a rip current forms and how to swim to safety.
7. Know how to answer all the questions on the “Periodic Table Scavenger Hunt”.
8. Know all of the following terms: solution, mixture, compound, element.
9. Know how to calculate the % error.
10. Know the definitions and examples of physical property and chemical property. Be able to classify things as physical or chemical.
11. Know the function, location, and charge for protons, neutrons, and electrons.
12. Be able to draw orbital diagrams. Know the 3 rules!
13. Classify items as either an element, a compound, or a mixture.
14. Know the proper way to write chemical symbols (1<sup>st</sup> letter capitalized, 2<sup>nd</sup> letter lowercase).
15. Be able to answer any questions from activities, dittos, review sheets, etc.

**GOOD LUCK ON YOUR 2ND SCIENCE QUIZ!!!**