**Earth/Space Chapter 15 Test Review: (+20 pts)**

***Answer the questions below on a separate sheet of paper or on MBC. Due the day of the test.***

**Section 15.1 Assessment**

1. How much of Earth is covered by oceans? How is ocean water distributed over Earth’s surface?
2. Name earths five oceans. Which ones are the major oceans? Which ones are the polar oceans?
3. Describe two tools scientists use to collect data about oceans.
4. What is the average depth of the oceans? What tool would an oceanographer use to measure the depth of ocean water?
5. Where did the water in Earth’s early oceans originate? Explain.
6. Use your knowledge of global warming to hypothesize why sea level is rising.

**Section 15.2 Assessment**

1. What factors affect the chemical properties of seawater?
2. Illustrate the three layers into which ocean water is divided based on temperature by drawing a temperature profile graph of ocean water.
3. How does cold water make its way to the bottom of the ocean at the equator?
4. Why is most of the ocean cold and dark?
5. Which is more dense, cold freshwater or cold seawater?
6. Which is less dense, warm freshwater or warm seawater?

**Section 15.3 Assessment**

1. Describe the properties of a wave using the terms crest, trough, and wavelength.
2. What three factors do wave height depend on?
3. What does fetch refer to in reference to oceans water?
4. What are breakers?
5. What are tides? What causes tides?
6. Compare and contrast spring tides and neap tides. Use diagrams to help explain.
7. What causes surface currents to form?
8. What is a density current?