**Honors Earth/ Environmental Science Q3 Exam Study Guide**

Renewable/ Nonrenewable Resources, Water Resources/ Quality and Oceans

**Resources**

1. Create a chart of the pro’s and con’s of the 7 renewable energy sources.

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| **Pro** | **Energy Source** | **Con** |
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1. Create a Venn diagram comparing renewable and nonrenewable resources list several.
2. What is the name of the fuel used for nuclear fission?

**Water**

1. What percentage of water is available for us to drink?
2. Draw a diagram of the water cycle and define the following, transpiration, infiltration, evaporation, condensation, precipitation
3. Draw a diagram of an aquifer and label the parts.
4. Explain the zone of saturation and the zone of aeration.
5. Compare and contrast porosity and permeability.
6. What is an artesian well?

**Ocean**

1. What are the two main sources of salts in the ocean?
2. What processes increase salinity? What processes decrease salinity?
3. What are the 2 factors that affect density?
4. How does the Coriolis effect, affect ocean currents?
5. What causes surface currents?
6. Ocean currents move what type of water to the poles?
7. How does Gulf Stream affect climate?
8. How doe density currents move?
9. The Gulf Stream is often called a conveyer belt, what happens to this convey belt when it reaches the poles?

**\*\*\*Your exam is 54 multiple choice questions and will cover everything on this study guide\*\*\***