

# **EXAM ONE EXPECTATIONS**

## **ENVIRONMENTAL SCIENCE EXAM ONE “EARTH SYSTEMS AND RESOURCES”**

**STATE the percentage of freshwater found in ice, glaciers, aquifers, etc**

**STATE the earth's water storage compartments from large to small**

**STATE the largest source of water use globally**

**STATE the largest household uses of water in the United State**

**STATE the largest water problem globally**

**STATE the layer of atmosphere where most weather takes place**

**DEFINE water table**

**DEFINE climate**

**DEFINE subduction**

**DEFINE salt water intrusion**

**DEFINE magma**

**DEFINE overdraft**

**DEFINE albedo**

**DEFINE water budget**

**DEFINE aquifer**

**DEFINE a front**

**DEFINE eutrophication**

**DEFINE residence time**

**DEFINE a hydrological compartment**

**DEFINE subsidence**

**DEFINE uniformitarianism**

**DEFINE condensation nuclei**

**COMPARE climate and weather**

**COMPARE warm and cold fronts**

**COMPARE natural and cultural eutrophication**

**DESCRIBE the properties of water**

**DESCRIBE our atmosphere**

**DESCRIBE the greenhouse effect**

**DESCRIBE the “ring of fire”**

**DESCRIBE the Coriolis effect**

**DESCRIBE the rain shadow effect**

**DESCRIBE the ozone layer**

**DESCRIBE the most common source(s) of a country's renewable water supply**

**OUTLINE the relationship between altitude and temperature in the troposphere**

**OUTLINE the rate of human water withdrawals worldwide**

**OUTLINE the relationship between condensation nuclei and water vapor**

**IDENTIFY a water table from an illustration**

**IDENTIFY the layers of the earth from an illustration**

**IDENTIFY rainy areas and rain shadows from from an illustration**

**EXPLAIN earthquakes**

**EXPLAIN why most of the water on earth is not suitable for human use**

**EXPLAIN global wind patterns (convection currents)**

**EXPLAIN how only half of the solar energy emitted reaches the earth's surface**

**EXPLAIN plate tectonic**

**EXPLAIN the relationship between air temperature and its ability to hold water**

**EXPLAIN the location of most deserts globally**

**EXPLAIN advancing cold fronts and their effects**

**PREDICT which habitat or physical environment has the highest albedo**

