**APES- Chapter #20- Water Supply, Use and Management**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Learning Objectives:**

* *What a water budget is, and why it is useful in analyzing water supply problems and potential solutions*
* *What groundwater is, and what environmental problems are associated with its use*
* *How water can be conserved at home and in industrial and agricultural practice*
* *Why sustainable water management will become more difficult as the demand for water increases*
* *What the environmental impacts are of water projects such as dams, reservoirs, canals and channelization*
* *What a wetland is, how wetlands function, and why they are important*
* *What hazards are presented by river flooding*
* *Why we are facing a growing global water shortage linked to our food supply*

1: Why was the **Edwards Dam** created?

2: Explain the ***environmental impacts of damming rivers***:

3: What are 5 properties of water that make it so valuable to life on Earth?

4: *What percentage* of our water on Earth is usable for human consumption?

5: **Draw and label** the diagram on pg. 408. In your own words, and in paragraph form, **explain the definitions** of the words and processes labeled on your diagram.

6: **Explain** how humans can disturb the *interactions between surface and groundwater*.

7: Define **Water Budget** and *explain the Water Budget of the United States:*

8: