Study Guide for CA#7 Water Resources & Water

Date received \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date of assessment \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Essential Vocabulary**

* Zone of saturation
* Water table
* Reliable surface runoff
* Virtual water
* Water footprint
* Subsidence
* Reservoir
* Aqueduct
* Snow pack
* Desalination
* Flood irrigation
* Drip irrigation
* Gray water
* Water pollution
* Wastewater
* Cultural eutrophication
* Dissolved Oxygen
* Biochemical Oxygen Demand

**SC.912.L.17.7:** *Characterize the biotic and abiotic components that define freshwater systems, marine systems and terrestrial systems.* DOK 2

**SC.912.L.17.19** *Describe how different natural resources are produced and how their rates of use and renewal limit availability.* DOK 2

**SC.912.L.17.18** *Describe how human population size and resource use relate to environmental quality.* DOK 2

**SC.912.L.17.16** D*iscuss the large-scale environmental impacts resulting from human activity, including waste spills,* ***oil spills, runoff,*** *greenhouse gases, ozone depletion, and* ***surface and groundwater pollution.*** DOK 3

* Be able to describe the main properties of water.
* Know the percentage of the earth’s water that is freshwater.
* Be able to explain where you would find the earth’s freshwater supply.
* Be able to describe the water cycle and how it renews itself.
* Be able to identify advantages and disadvantages of Dams and reservoirs.
* Be able to define subsidence and what leads to it.
* Be able to identify the results of overuse of groundwater.
* Be able to describe the result of overusing water in coastal areas.
* Be able to identify examples of point and nonpoint pollution.
* Be able to explain what cultural eutrophication is and how it is caused and the consequence of it, and its effects.
* Be able to determine the greatest source of water pollution in terms of total mass.
* Be able to identify the best and least effective water irrigation system.
* Be able to describe what freshwater scarcity stress is.
* What is virtual water?
* Be able to label the Stream Pollution Diagram on page 336

**Textbook reference: Unit 4 Environmental Quality: Chapter 10 Water Resources & Water Pollution page 318-349**