Q: You are performing water quality tests on your local water shed. You find that the water tests positive for fecal coliform. What does this tell you about that water source?

A: It is contaminated with animal waste

Q: Of the 2.5% freshwater on Earth, what is 79% of that water?

A: Ice caps and glaciers

Q: Groundwater can be depleted if?

A: The recharge aquifers and not replenished

Q: What is point-source pollution? Give an example.

A: Pollution from a specific point. Smokestack emission from a factory.

Q:What water quality test shows suspended material in the water?

A: Turbidity

Q: During wastewater treatment, what happens in the activated sludge tanks?

A: Organic material is decomposed by microorganisms.

Q: Ponds and lakes change over time naturally as streams and runoff bring them sediment and nutrients. What type of lake is characterized by low nutrients and high oxygen conditions.

A: Oligotrophic

Q: What are 4 sources of water pollution?

A: Nutrient pollution, pathogens, toxic chemicals, sediment, or thermal pollution.

Q: Name 3 benefits to damming a water source?

A: Storage for future water use, controlling floods, source of energy, emissions reduction, crop irrigation, shipping, and recreational opportunities.

Q: Name 3 costs to damming a water source?

A: Habitat alteration, fisheries decline, population displacement, sediment capture, disruption of flooding, risk of failure, monetary costs.

Q: What does fishing down the food chain mean?

A: As fishing practices increase, the size and age of fish caught decline.

Q: What is effluent discharge from a primary sewage treatment facility?

A: wastewater - treated or untreated - that flows out of a treatment plant, sewer, or industrial outfall. Generally refers to wastes discharged into surface waters

Q: What is bottom-trawling fishing?

A: Weighted nets are dragged along the floor of the continental shelf.

Q: What is wrong with “factory” fishing methods?

A: Overfishing causes loss of marine biodiversity and large amounts of by-catch.