

## REVIEW

### Unit 5 – Fresh and Saltwater Systems

#### 1.0 Humans depend on Water Supply and Quality

- ❖ Water resources: oceans, glaciers, groundwater, lakes and rivers
  
- ❖ Contents of water: minerals, organisms, organic material
  
- ❖ Water quality testing ensure it is safe to drink

#### 2.0 Water affects Landforms and Climate on the Earth

- ❖ **Waves** and **Tides** interact with landforms causing **erosion** and **sedimentation**
  
- ❖ Stream and River characteristics helps us understand erosion and deposition shape the Earth's surface
  
- ❖ **Plate tectonics** (ocean basins and continental drainage system in North America) and **glaciers** (further erosion of the drainage system)
  
- ❖ Water interacts with Earth to produce variations in **climate**

### 3.0 Aquatic Organisms are affected by many factors

- ❖ Organisms are affected by the quality of their aquatic environment
- ❖ Water conditions: light, temperature and depth of the water
- ❖ Oceans can support a much **greater diversity** of living organisms
- ❖ A **population** - the number of a certain species living in a certain area
- ❖ Each aquatic organism has adapted to a particular quality of water

### 4.0 Human Activities Affect Aquatic Environments

- ❖ Water is used by humans for work, play and for survival
- ❖ Greatest use of water – **irrigation** for agriculture (next is industry)
- ❖ **Monitoring** helps us to determine what impact humans have on the aquatic environments they interact with

❖ Science and Technology must be supported by Action and Commitment