

Science 8

Text: Discovering Science 8

Unit 1: Water Systems on Earth

Chapter Three, “Bodies of Water Influence Climate and Species Distribution ”

Note:

Students are encourage to review all material as part of an appropriate study schedule. The textbook, Discovering Science 8 is the main source of information. All other material are supplementary.

Terms to Know:

Weather	Climate	Convection	Specific Heat Capacity	El Nino
La Nina	Silver Thaw	Plankton	Phytoplankton	Zooplankton
Estuaries	Habitat	Turbid	Turbidity	Riffles
Wetland	Brackish	Bioluminescence	organic material	Bioindicator Species
Pollution	Non-Point Sources	Point Sources	Toxins	Alkaline
Acids	pH	non-biodegradable	Algae bloom	Residential Development
Commercial shipping	Recreation	Seismic Testing	Overfishing	Invasive Species
Trawlers	Polyethylene	Fish Finding Sonar	Opaque	

- 1.) How does a cold current moderate summer temperatures on land? (P.82-83)
- 2.) How does a warm current moderate winter temperatures on land? (P.82-83)
- 3.) What causes El Nino? What affect does it have around the world? (p.85-86)
- 4.) What causes La Nina? What affect does it have around the world? (p.85-86)
- 5.) Explain convection with the use of a diagram? (P.85)
- 5.) Name four ways in which weather can be described? (P.82)

- 6.) Name and briefly describe the four freshwater environments found in Newfoundland and Labrador. (P.90-92)
- 7.) How do wetlands contribute to the health of the environment? (P.92)
- 8.) What conditions are necessary for a healthy stream? (P.96 and 109)
 - Appropriate temperature
 - ph level within the communities range of tolerance.
 - Low turbidity
 - Sufficient dissolved oxygen
 - Diversity of living organisms
- 9.) Explain three purposes of aquatic bioluminescence in organisms which live deep in the ocean. (P.93 and 98)
- 10.) Discuss affects of pollution on the environment. (P.100-106 and 113-114)
- 11.) Explain the difference between point sources of pollution and non-point sources of pollution. (P.101)