

Intermediate Science 8
Unit 1: Water Systems on Earth's Surface
Chapter 1 Outline

Know the following terms

Matter	Evaporation	Condensation
Sublimation	Freezing	Melting
Water Cycle	Hydrosphere (hydro water)	Atmosphere (atmo = air)
Lithosphere (litho = stone)	Salinity	Hydrologist
Oceanographer	Density	Freezing point
Drainage basins	Ground water	Glaciers
crevasses	Iceberg	Ice age
Global warming	Divide	Run-off

Know the following:

- 1) Why water is important (Uses of water)?
- 2) Distribution of the world's water supply
- 3) The changes in the states of matter
- 4) Sketch, label and explain the water cycle.
- 5) Use hydrosphere, atmosphere and lithosphere to explain the water cycle
- 6) Distinguish between ocean water and fresh water. Include:
 - (i) salinity
 - (ii) density
 - (iii) freezing point
- 7) Identify sources of fresh water. Including:
 - (i) Lakes, Ponds, and Wetlands
 - (ii) Rivers and Streams
 - (iii) Drainage basins
 - (iv) Ground water
 - (v) Glaciers
- 8) Why ocean water is salty?
- 9) The density of fresh and salt water.
- 10) Know salinity's effect's on water
- 11) The effect on temperature of ocean water the deeper you go?
- 12) The Freezing point of fresh and salt water.



- 13) Identify when the last ice age began and ended and what parts of North America were covered in ice.
- 14) Explain how glaciers are created
- 15) Describe how long periods of global warming affect glaciers.
- 16) The possible effects of the shrinking glaciers.
- 17) Identify the factors that affect runoff
- 18) Show how a change in one component of a body of water causes change in other components in that system.

Know the following textbook questions:

Textbook Page #	Question
Page 13	#1, #2, #3, #4, #5, #6, #7
Page 17	#1, #2, #3, #4, #5
Page 23	#1, #2, #3, #4, #5, #6, #7, #8, #9, #10
Page 30	#1, #2, #3, #4, #5
Page 35	#1, #2, #3, #4, #5, #6, #8
Page 36	#1, #2, #3 -#1, #2, #3, #4, #5, #6, #7, #8, #9, #10, #11, #12 13

The following activities were completed:

Activity	Textbook Page
Water Cycle Laboratory	Handout
Find out Activity	Page 5
Salinity's Effect's on Water	Page 18
Temperature and Water Density	Page 21
Tracking Run off	Page 31

