

Name: _____ Period: _____

Date: _____

Distribution of Water on Earth

1. Calculate the percentage of water found in each location. Fill in the chart below.

Location	Amount of Water in mL	Percentage of Water
Whole Earth	2000 mL	100%
Oceans		
Fresh Water		
Fresh Water as Ice		
Fresh Water as Groundwater		
Fresh Water as Surface Water		
Fresh Water in Soil and Air		

2. What location has the greatest amount of water?

3. Which of the locations provides usable water for human consumption?

4. Do you think icebergs and glaciers could be used to provide water for human consumption? Why or why not?

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The Structure of the Hydrosphere

I. The Structure of the Hydrosphere

- Oceans: _____ of water found here
- Fresh Water: _____ of water found here
 - Fresh Water Distribution:
 - _____: 1.762%
 - Groundwater: _____
 - Surface Fresh Water: _____
 - _____ and _____: 0.002%

II. Understanding Where Your Water is Located—Oceans and Ice

- What bodies of water hold the largest amount of water?
 - _____ - the largest bodies of water on Earth (contain salt water only)
- What features house water as ice?
 - Polar ice caps: _____ and _____
 - Icebergs: a large piece of _____ ice floating in _____ waters
 - Glaciers: any _____ of ice that moves slowly over land
 - * _____ snow areas also “house” water as ice

III. Fresh Water Locations—Surface Water

- What is the difference between a watershed and a river basin?
 - Both terms describe _____ that drains into a lake, stream, river or estuary
 - _____: the term used to describe an area that drains into a large _____
 - _____: the term used to describe an area that drains into a _____ river or stream
 - Larger river basins are made up of many _____ watersheds
 - Example: French Broad and Little Tennessee River Basins are made of many smaller watersheds (Pigeon River, Richland Creek, Fines Creek)
 - The water in a watershed runs to the _____ point—a river, stream, lake, or _____.

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IV. Fresh Water Locations—Rivers, Streams, and Lakes

- What is a river?
 - A large _____ along which water is continually flowing down a slope—made of _____ streams that come together
- What is a stream?
 - A small _____ along which water is continually flowing down a slope—made of small _____
- What is a lake?
 - A body of water of considerable size _____ on a body of land

V. Fresh Water Locations—Groundwater

- What is groundwater?
 - The water found in _____ and _____ in sand, gravel and rocks below the earth's surface
 - Water first _____ soil then _____ through the rock layers to eventually reach an aquifer
- What is an aquifer?
 - A _____ rock layer underground that is a reservoir for water

VI. Other Surface Waters

- What is a wetland?
 - An area where the _____ is at, near or above the land surface long enough during the year to support adapted _____.
- What are the types of wetlands?
 - _____, _____, and _____
 - Swamp: a wetland dominated by _____
 - Bogs: a wetland dominated by _____
 - Marshes: a wetland dominated by _____