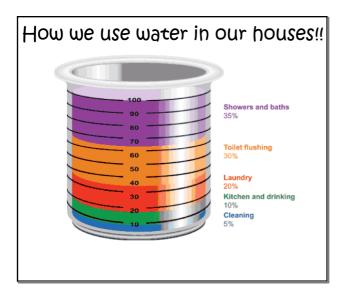


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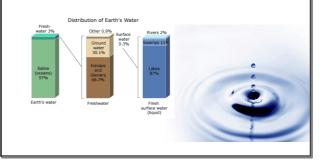
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Water Distribution

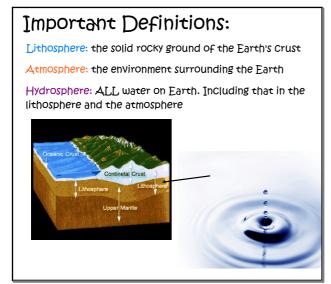
Only 3% of the Earth's water is fresh water!

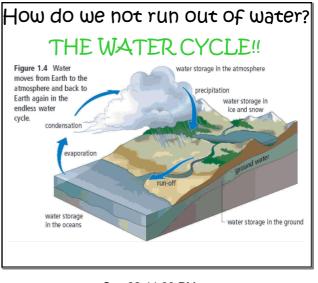
2/3 of this water is frozen in ice sheets

You do the math: Only 1% of the fresh water on the Earth's surface is available

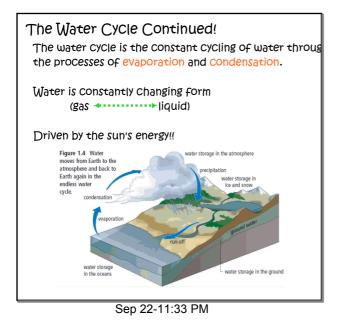


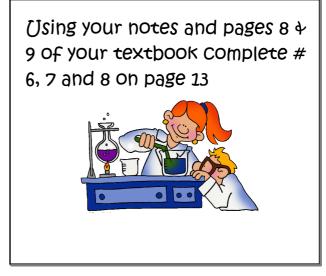
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Chapter 1.notebook







Ocean Water vs. Fresh Water

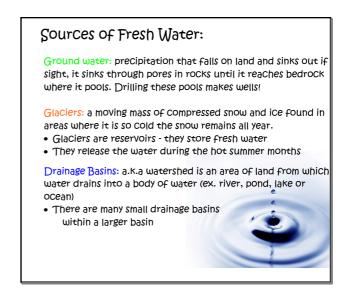
There are three major differences between ocean water and fresh water, which are:

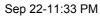
 Salinity: the amount of salt dissolved in a specific amount of water *salt comes from dissolved solids in the ground and volcanoes!
Density: the amount of mass of a substance in a certain unit volume (how tightly packed together the material is in a substance

		•
	Fresh Water	Salt Water
Salinity	Less salt	More salt
Density	Less dense	More dense
Freezing point	Higher (0°C)	Lower (-1.9°C)

3) Freezing Point: the temperature at which a liquid freezes

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More on Glaciers!!

Glaciers give us information about the Earth's past!

The ICe Age: Earth has had at least 7! The most recent was 120 000 years ago - 11 000 years ago!

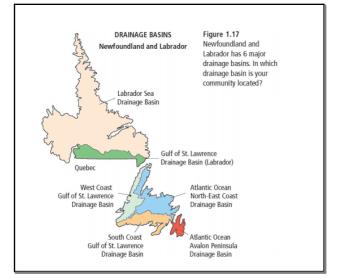
The last glacier covered from the Arctic to as far south as the great lakes!

During a glacier, the environment is a lot colder. During the last glacier a lot of plants and animals went extinct!

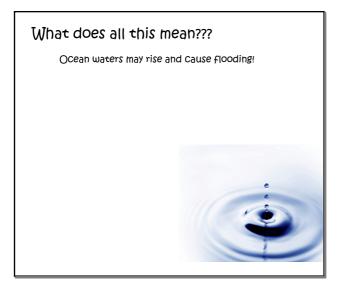
In the last 100 years the average surface temperature has increased by 0.5OC, making the world's glaciers melt at a quicker pace than ever before.



Figure 1.14 During the last ice age, glaciers in North America covered an area three times as large as they do today. Northern sections of the Yukon and Alaska remained free of glaciers because they were too dry.



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