

Earth's Water

Lesson 1

1%

Freshwater
Available



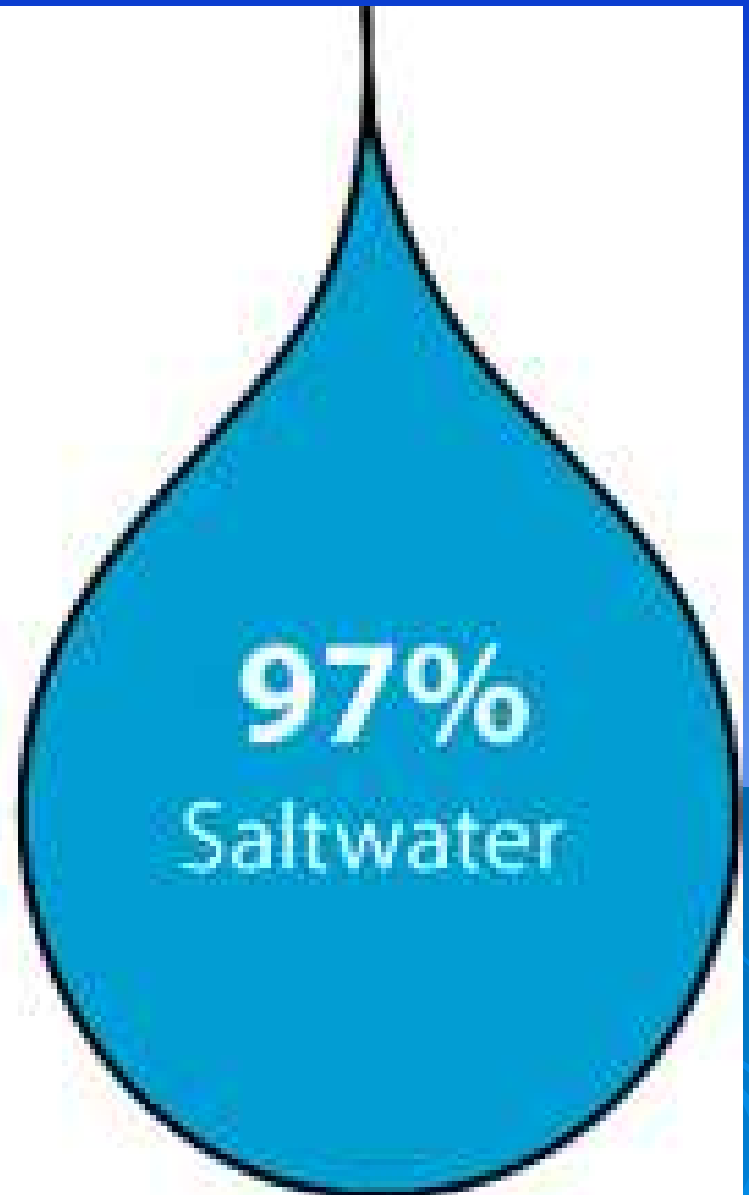
2%

Freshwater
Frozen/
Unavailable



97%

Saltwater



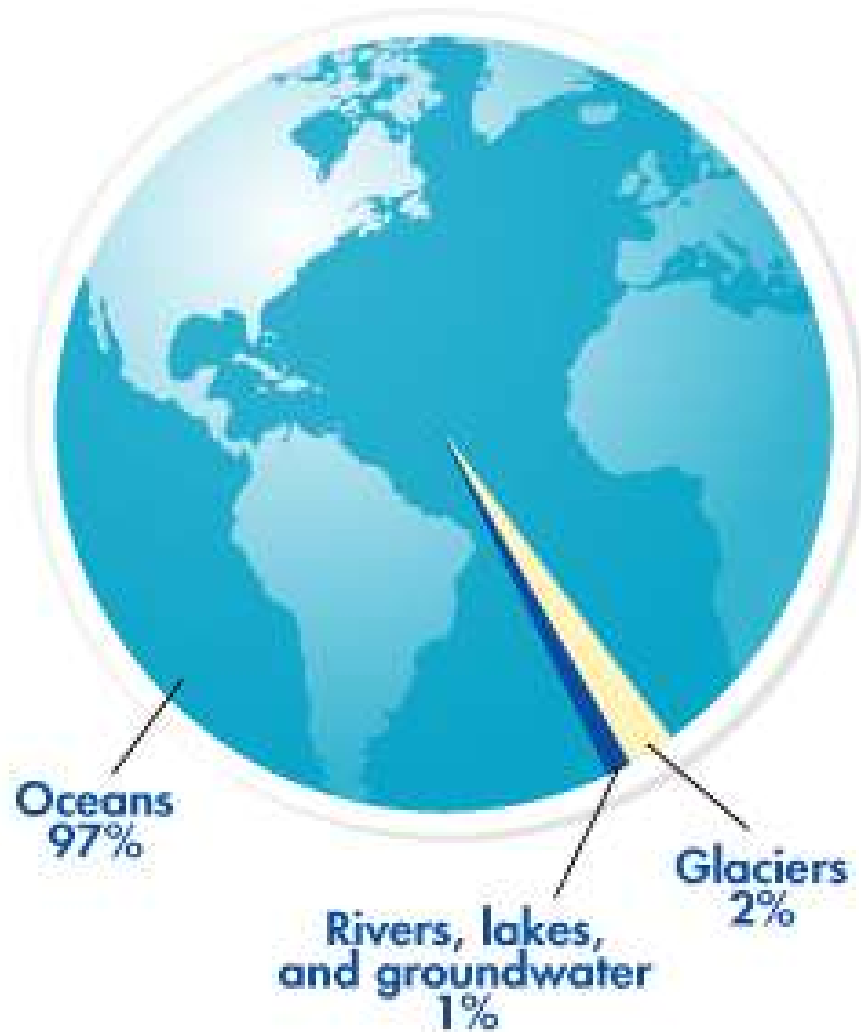
How is water distributed on the Earth?

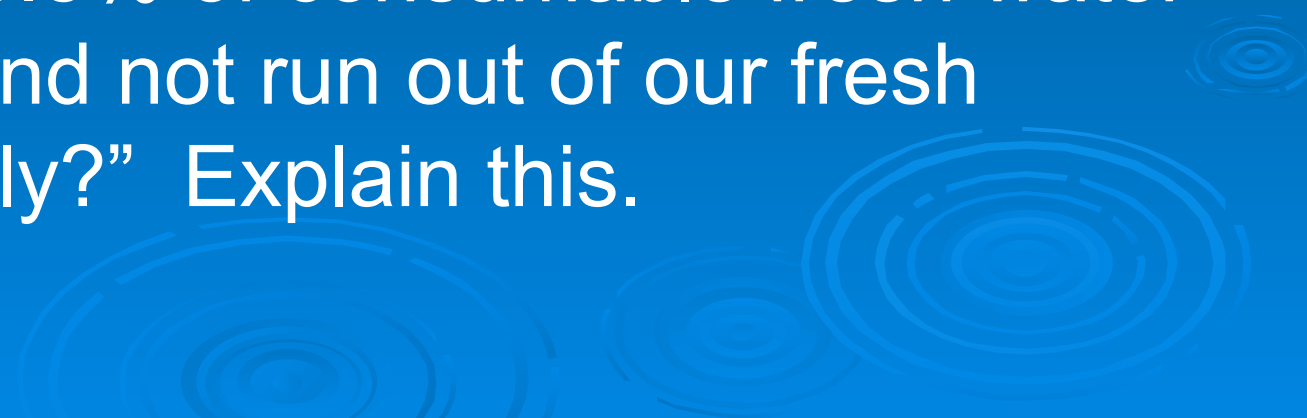
- ✓ **97 %** of the world's Water supply is ocean (salt water).
- ✓ **2 %** of the world's water supply is frozen in icecaps and glaciers.

How is water distributed on the Earth?

- ✓ **0.5 %** of the world's water supply is non-consumable water on land.
- ✓ **0.5%** of the world's water supply is freshwater available for consumption.

Usable water in the world



- 1. What two factors cause the ocean to become salty?
 - 2. What are the two minerals in the ocean water that make it salty?
 - 3. Reese said” Mr. Suber, how can we only have 0.5% of consumable fresh water on Earth, and not run out of our fresh water supply?” Explain this.
- 
- The background of the slide is a solid blue color. In the lower right quadrant, there are several decorative, semi-transparent white and light blue concentric circles that resemble ripples on water, arranged in a cluster.

World's Oceans

- Can you name the five world oceans?



World's Oceans

- Atlantic
- Pacific
- Indian
- Arctic
- Southern



**HOW HAVE THE
EARTH'S OCEANS
CHANGED
THROUGH TIME?**

Pacific Ocean



- **The largest ocean. It is larger than all the land put together.**
- **It contains 48% of the world's seawater.**
- **The deepest ocean because the Mariana Trench is located in it. (over 36,000 feet deep)**

Atlantic Ocean

- **The second largest ocean.**
- **It contains 23% of the world's seawater.**

- **Most traveled ocean routes.**

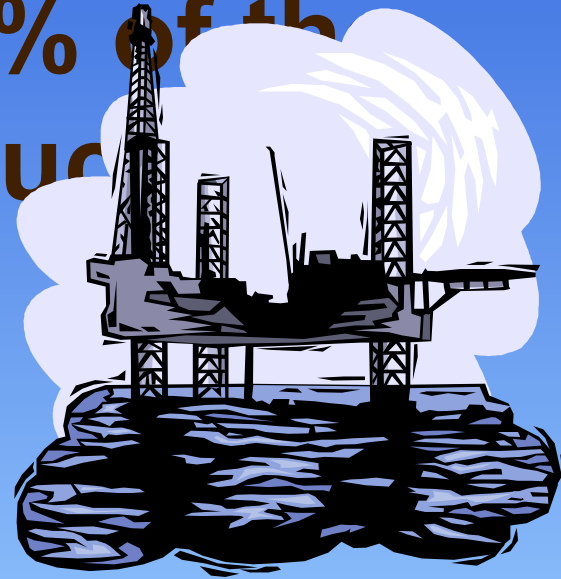
- **Sea floor spreading-**

- **This ocean is growing!!**



Indian Ocean

- **The warmest ocean.**
- **Monsoons occur here**
- **It contains 40% of the world's oil production**



Arctic Ocean

- **The smallest ocean.**
- **Located near North Pole**
- **It is covered by drifting ice.**



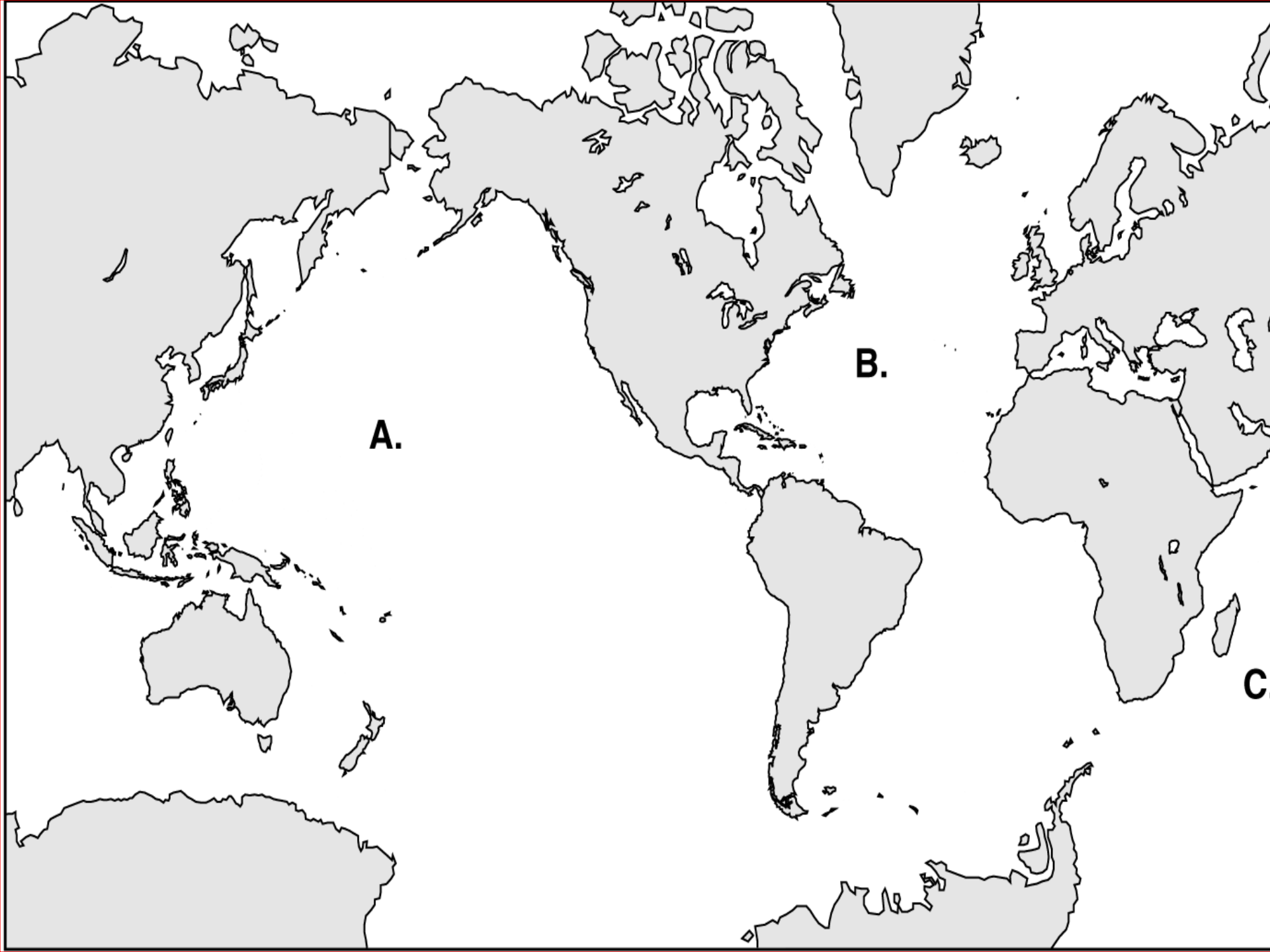
Southern Ocean



- **The newest ocean.**
- **Recognized in 2000.**
- **Located at the 60° S**

Latitude near the South Pole

- **It contains icebergs and deep continental shelves.**



A.

B.

C.

World's Freshwater

- Groundwater:
water that collects
between bits of rock
and soil.
- What factors affect
the groundwater?
(Globe – pp. 210)



How does groundwater reach the Earth's surface?

- Water may reach the surface through wells, springs, or geysers.
- What is the main difference between a spring and a geyser?
(Globe – p. 212)



What is the difference between a river and a lake or pond?

- Rivers or streams are running water.
- Lakes or ponds are still water.
- 90% of the continental surface water is found in lakes.
- Are lakes fresh or salt water?