

Chapter 4 – Earth's Water

Lesson 1 – Earth: The Blue Planet



How much of Earth is covered with water?

- An **ocean** is a large body of salt water.




- About 70% of the Earth's surface is covered with oceans.

How much of Earth is covered with water?

- **Oceans provide:**
 - food (fish, shrimp)
 - fuel (oil from ocean bottom)
 - recreation & transportation
- **The Pacific Ocean is the biggest and deepest ocean on Earth.**

How much of Earth is covered with water?

- **Fresh water** contains little or no salt.
 - Only 1% of Earth's water is fresh water.
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- The background of the slide features a dark blue gradient with several faint, concentric white circles that resemble ripples on water, scattered across the lower half of the page.

How much of Earth is covered with water?

- Most of Earth's fresh water is frozen in Antarctica.



What makes oceans salty?

- Rain water falling on a mountain is fresh.
- As it flows downhill, it picks up salt from the soil and rocks.
- The water flows into **tributaries** (small streams or rivers).



What makes oceans salty?

- **Tributaries flow into a larger river.**



- **The river flows into the ocean and drops off a small amount of salt.**

What makes oceans salty?

- Ocean waves pound on rocks and sand, picking up salt and adding it to the oceans.

[“Mountain Water Flow”](#)
[Science in Motion Video](#)

What makes oceans salty?

- Some ocean water **evaporates**, changing from a liquid to a gas (**water vapor**).
- As the water vapor rises out of the ocean, the salt stays behind, making the remaining water saltier.

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