

Super English

Unit 10 - Earth Lesson 1





Vocabulary

Earth - Vocabulary



layer: a level of material that is different from the material on either side (n)



The cake had six **layers** with different colors and flavors.

Earth - Vocabulary



erode: to wear or be worn away gradually by wind or water (v)



The ground was slowly **eroding** away under the tree.

Earth - Vocabulary



dissolve: to cause a solid to become part of a liquid and form a solution (v)



The sugar **dissolves** when it is mixed with the hot coffee.

Earth - Vocabulary



runoff: the draining away of water (or substances carried in it) from the surface land to bodies of water (n)



There is a lot of **runoff** into the river after a heavy rainfall.

Earth - Vocabulary



vent: a small opening that allows air, smoke, or gas to enter or leave a closed space (n)



Can you please open the **vent** to let the smoke go outside.



Let's
Read!

Why are the Oceans Salty?

Did you know that the oceans are like a massive blanket around our planet? They take up 70% of Earth's surface. That's a lot! If you could gather all the water on Earth, 97% of it would be from the oceans. But here's a surprising fact: about 3.5% of the ocean's water is just salt. Imagine, for every cubic mile of seawater, you would find 120 million tons of salt. If you tried to count all the salt in the oceans, it would add up to a mind-boggling 38.5 quadrillion tons!

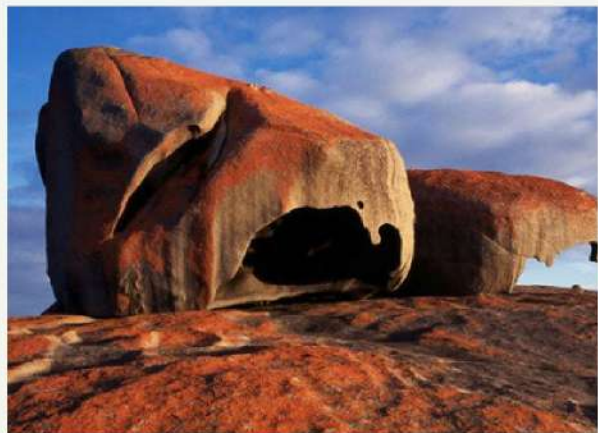


Why are the Oceans Salty?



So, what if we took all this salt out of the oceans and spread it evenly over Earth's land? Well, it would create a salt layer more than 500 feet (166 meters) thick. That's as tall as a 40-story skyscraper. Pretty amazing, isn't it?

Why are the Oceans Salty?



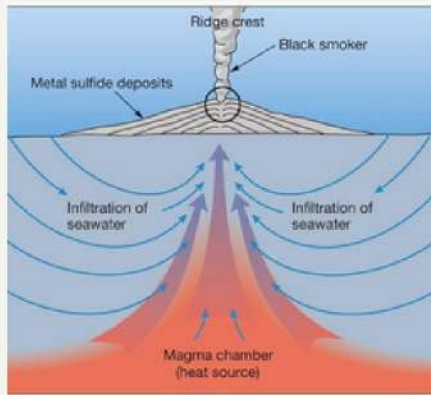
Now, you might be wondering, where does all this salt come from? Our story starts with the rain. As rain falls through the air, it picks up a gas called carbon dioxide, which makes the water a bit acidic. This rain then hits the ground and starts to erode, or wear away, the rocks. It's like the rain is a super-slow rock-melter! The acids in the rain can even dissolve parts of the rocks, turning them into salts and minerals.

Why are the Oceans Salty?

These dissolved salts and minerals get washed into streams and rivers in a process we call runoff. Just like a great river journey, they're carried all the way to the ocean. Even though some creatures in the water use these minerals, a lot of the salt stays behind, piling up over thousands of years.



Why are the Oceans Salty?



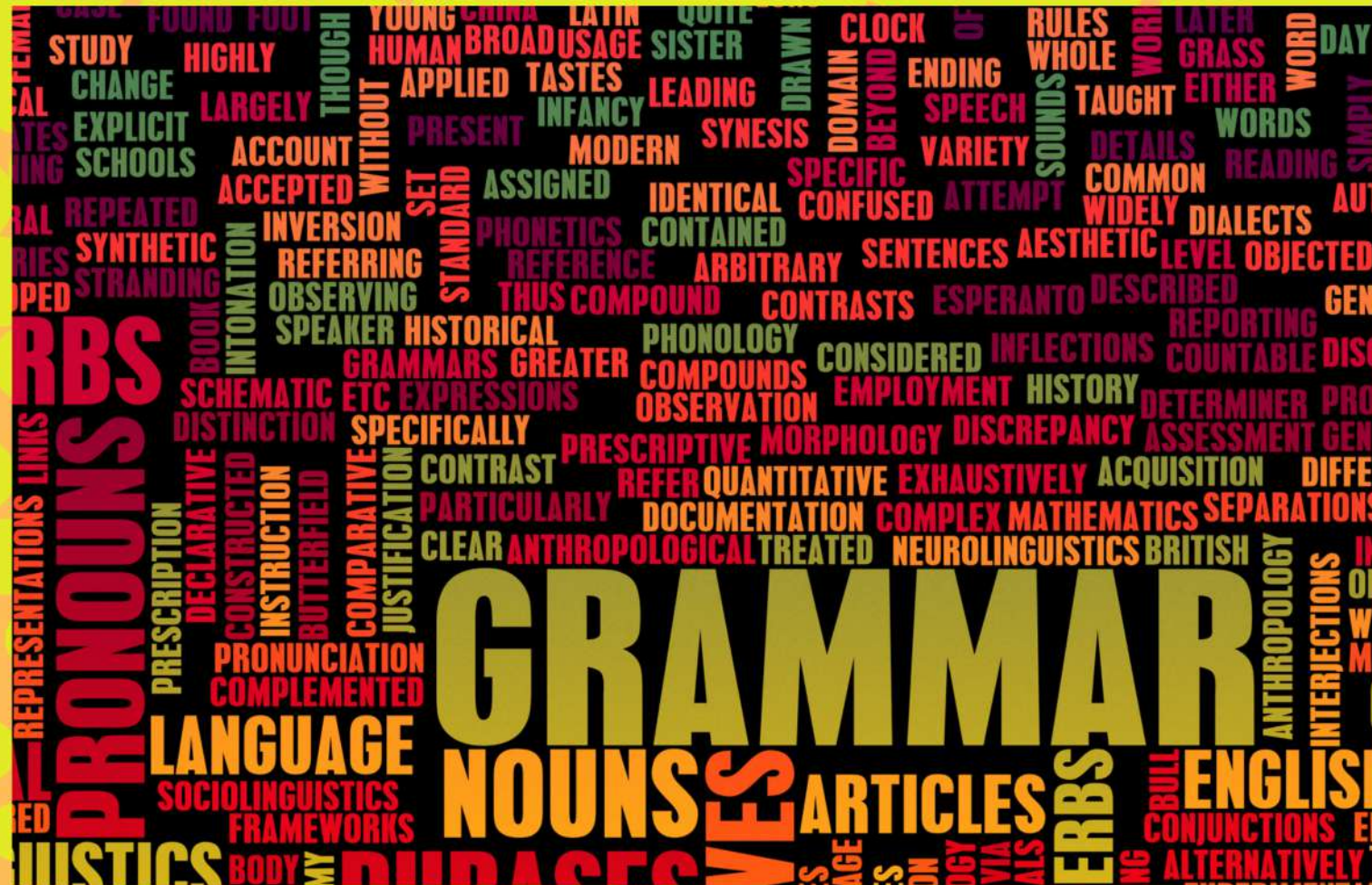
But, hold on, there's more to the story! The rivers and runoff aren't the only ones bringing in the salt. The ocean floor has vents, kind of like little chimneys, which add even more salt. Here's how it works: Ocean water slips into the Earth's crust through cracks. Deep below, the water gets heated by super-hot magma, and it dissolves even more salts and minerals from the rocks. With all the heat and pressure, the water shoots back up through the vents, bringing the salts and minerals with it into the ocean.

Why are the Oceans Salty?



Lastly, let's not forget about the exciting ocean volcanoes! They're another source of salt in the ocean, adding a spicy touch to this salty ocean soup. So next time you're at the beach, think about the grand journey each grain of salt in the water has made to be there!

Let's do Grammar!



Subject - Verb - Object

Subject

Verb

Object

Who or What
performs the
action of the
verb.

The verb tells
us the action
or being
within the
sentence.

Whoever or
whatever is
affected by
the verb.

The girl **rides** **her bike**.

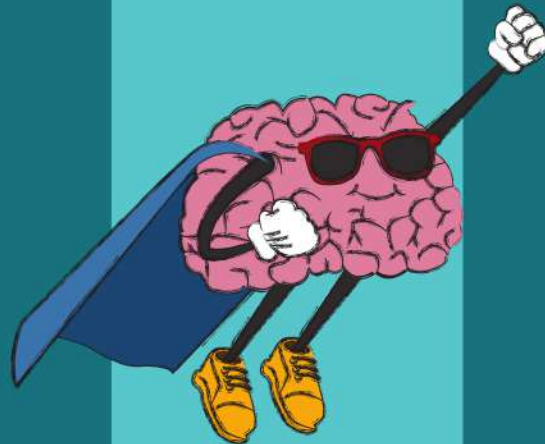
Phonics!



Silent T

In some words, "t" doesn't make a sound. We call it a "silent t."
In the letter combinations "tch" and "stle," the "t" is silent.

watch
match
witch
butcher
listen
fasten
moisten



castle
rustle
hustle
apostle
whistle
mortgage
Christmas

Silent T

The word “often” can be pronounced with a silent “t” (the more common pronunciation) or with an audible “t.”

'ōf-tən



'ō-fən

How does your teacher pronounce it?

Super English

See you
Next time!



GAMES!

Let's play tic-tac-toe!

