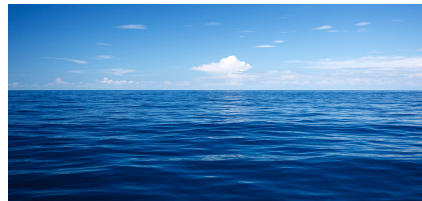


What Role Does Gravity Play In The Water Cycle?

Jan 25

Gravity causes precipitation to fall from clouds and water to flow downward on the land through watersheds. Energy from the sun and the force of gravity drive the continual cycling of water among these reservoirs. As the water is heated, it changes state from a liquid to a gas.

The Oceans



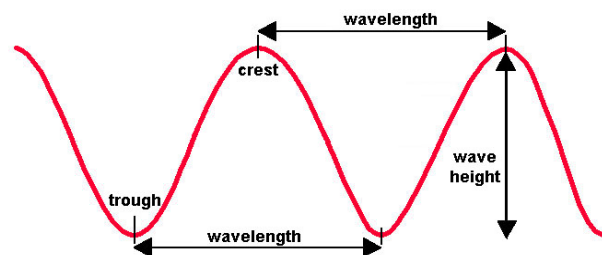
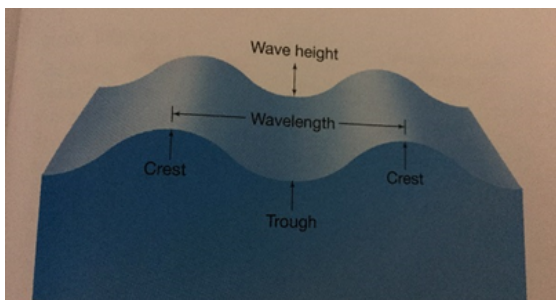
The ocean is never still. You can see it moving in the waves that crash ashore. On the open water, sailors witness broad, slow-flowing "rivers" at the ocean's surface. These movements carry enormous amount of water over hundreds of kilometers from one part of the ocean to another. Huge masses of cold water creep along the ocean floor than rise from the depths to the surface.

What causes waves?



You can find this in a hot bowl of soup! If you blow on the soup to cool it, your breath makes small ripples on the surface of the liquid. Ocean waves are just large ripples, set in motion by steady winds.

Waves begin on the open sea. Their height depends on how fast, how long and how far the wind blows over the water. An increase in one of these variables can cause an increase in wave height. Normal winds produce waves of 2-5m in height. Hurricane winds can create waves 30m high. Even on a calm day, there is usually a steady movement of smooth waves near the shore. These smooth waves are called **swells**.



[Biggest Waves Ever Recorded On Camera - YouTube](https://www.youtube.com/watch?v=5_HefhiwioE)

https://www.youtube.com/watch?v=5_HefhiwioE



Attachments

NOTES - Ecological Organization.pdf

TEXT - Water and Nitrogen Cycles.pdf

Science 7 Rock Assignment 1.docx