

Exploring Plate Tectonics

Name _____

SITE: Brain POP - Plate Tectonics

1. _____ was the name of the supercontinent that existed millions of years ago.
2. The surface, or _____, of the Earth is broken into about _____ plates that float on the liquid _____.
3. When the plates move, the _____ shift along with them. We don't notice the ground moving because they only move a few _____ each year.
4. Volcanoes, _____, _____, and trenches occur at active _____ between the plates.
5. Divergent boundaries are where plates are moving _____ and new _____ is created by liquid rock pushing up from the mantle.
6. Convergent boundaries are where plates are moving _____ each other. Sometimes one plate _____, or is subducted under another.
7. Transform boundaries are where plates _____ horizontally past one each other and cause _____.
8. The plates are always _____ slowly changing the face of the _____.

SITE: Puzzles of the Earth

Go to Earth Structures to start your tour of the world of plate tectonics! Click the puzzle piece at the bottom of each page to navigate your way through the world of plate tectonics.

1. What are the three main parts of the earth? Give a brief description for each.
2. The plates that make up the crust fit together like pieces of a _____.
3. Which plate do we live on? _____ (Hint: Earth Map)
4. We live on the earth's outermost layer. What is it called? _____
5. Match each description using a C for continental plates or O for oceanic plates.
_____ Crust that "carries" the ocean
_____ Crust that "carries" the continents; may also contain oceans
_____ Less dense and tends not to subduct
_____ More dense and tends to be subducted
6. How do plates move? Write a description using the terms magma, plates, and convection currents.
7. What happens at a convergent boundary? Explain and draw a diagram!