

**Plate Tectonic Basics**

Name \_\_\_\_\_

Use the sites on the Earth Science page of the Science Spot's Kid Zone (<http://sciencespot.net>) to help you complete the assignment.

**SITE #1: ANMH PLATES INTERACTIVE**

**1. Read the information in the introduction to help you fill in these blanks. Hint: Hit the refresh icon to view it again.**

Earth's outer shell is made of \_\_\_\_\_ that contain \_\_\_\_\_ and \_\_\_\_\_ crust. The place where they meet are called plate \_\_\_\_\_, which is where most \_\_\_\_\_, mountains and \_\_\_\_\_ occur.

**2. Click the "Click here to explore" button and then read the directions. Click "To the map" to begin. Document four different earthquakes or volcanoes in the chart below.**

Location	Description (including what happened, the plates involved, and type of boundaries/forces)	Facts (Need 2-3)

## SITE #2: PLATE TECTONICS QUIZ

Use the quiz to help you answer these questions or complete the statements. Note: Puzzle pieces will appear when you choose an answer; however, only correct answers will result in the right piece of the puzzle appearing.

1. \_\_\_\_\_ crust is older than \_\_\_\_\_ crust.
2. \_\_\_\_\_ crust is thicker than \_\_\_\_\_ crust.
3. Sea floor \_\_\_\_\_ occurs as two oceanic plates move apart, but \_\_\_\_\_ occurs when one plate is pushed under another.
4. The plates float on the upper \_\_\_\_\_, which is where \_\_\_\_\_ comes from to create new crust.
5. \_\_\_\_\_ can occur where two plates slip past one another, while fold \_\_\_\_\_ can occur when two plates collide.
5. \_\_\_\_\_ proposed the idea of continental drift and called the supercontinent \_\_\_\_\_.

**Challenge Questions: Search the web to find the answers to these questions.**

- A. On which plate do we live? \_\_\_\_\_
- B. Faults are cracks in earth's crust. Which fault line is closest to us? \_\_\_\_\_  
Where is it located? \_\_\_\_\_  
When was the last time it was "active"? \_\_\_\_\_
- C. Describe the most recent earthquake in the United States. \_\_\_\_\_  
\_\_\_\_\_
- D. Describe the most recent volcanic in the United States. \_\_\_\_\_  
\_\_\_\_\_
- E. What is a tsunami? \_\_\_\_\_