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.

<table>
<thead>
<tr>
<th>Location</th>
<th>Description (including what happened, the plates involved, and type of boundaries/forces)</th>
<th>Facts (Need 2-3)</th>
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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? _______________________________