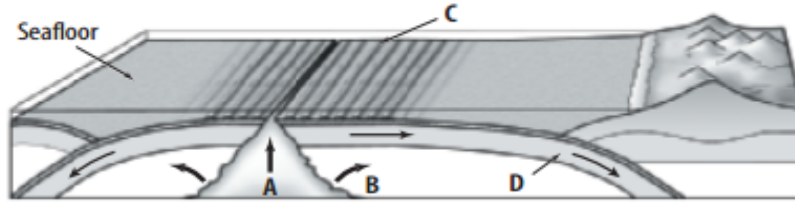


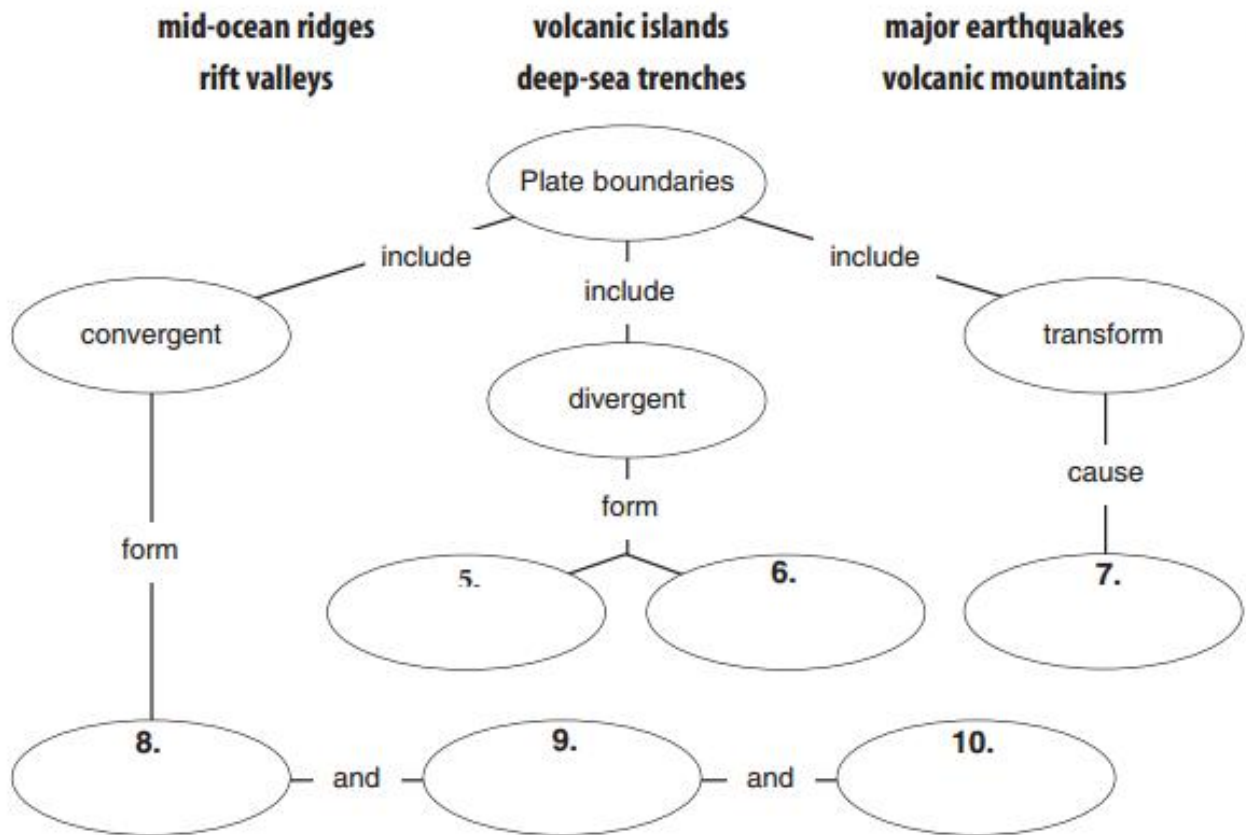
Plate Boundary Worksheet

Directions: Study the following diagram of the seafloor. Then match the letters to the statements below.

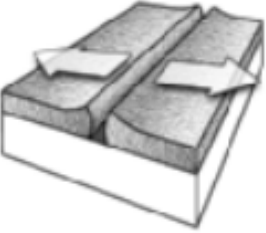
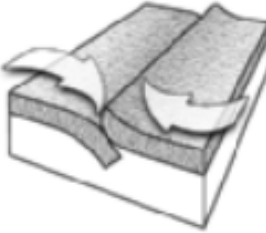
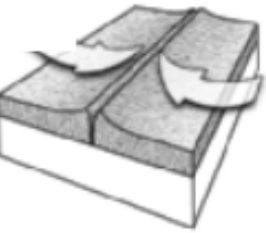
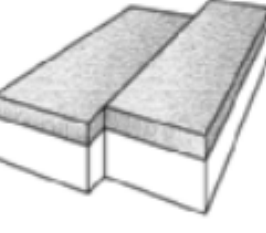


- _____ 1. Molten rock flows onto the seafloor and hardens as it cools.
- _____ 2. Hot, molten rock is forced upward toward the seafloor at a mid-ocean ridge
- _____ 3. New seafloor moves away from the ridge, cools, becomes denser and sinks.
- _____ 4. Molten rock pushes sideways in both directions as it rises, moving the mantle with it.

Directions: Complete the concept map using the terms in the list below.



Directions: Four diagrams are shown in the table below. Label and describe each diagram in the space provided in order to complete the table.

Diagram	Type of boundary and motion at boundary	Diagram	Type of boundary and motion at boundary
<p>10</p> 		<p>12</p> 	
<p>11</p> 		<p>13</p> 	

14. Which of the above boundaries can produce volcanoes?

15. At which of the above boundaries is sea floor created?

16. At which of the above boundaries is sea floor destroyed?

17. What are the three sub-types of convergent plate boundaries?