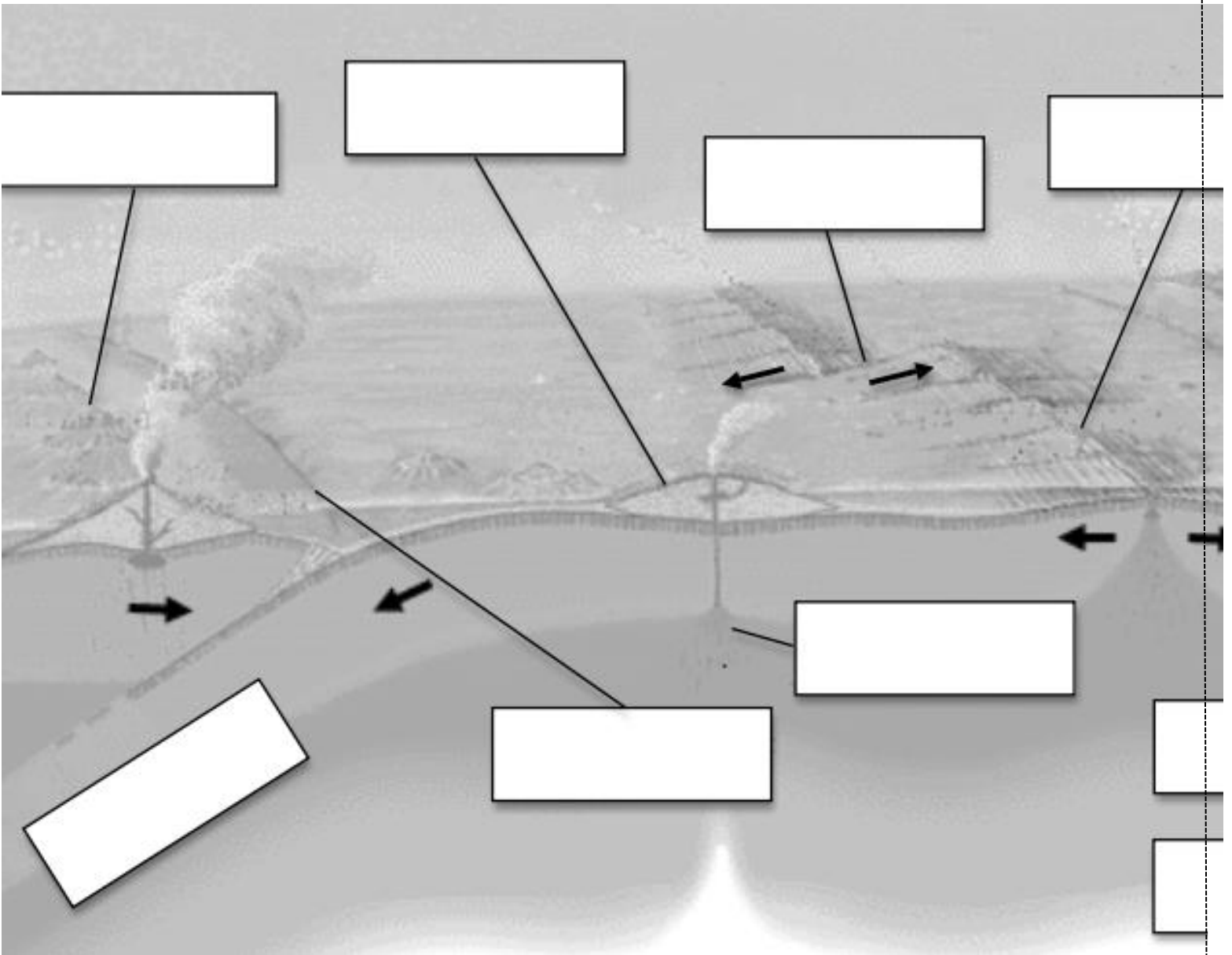


PLATE

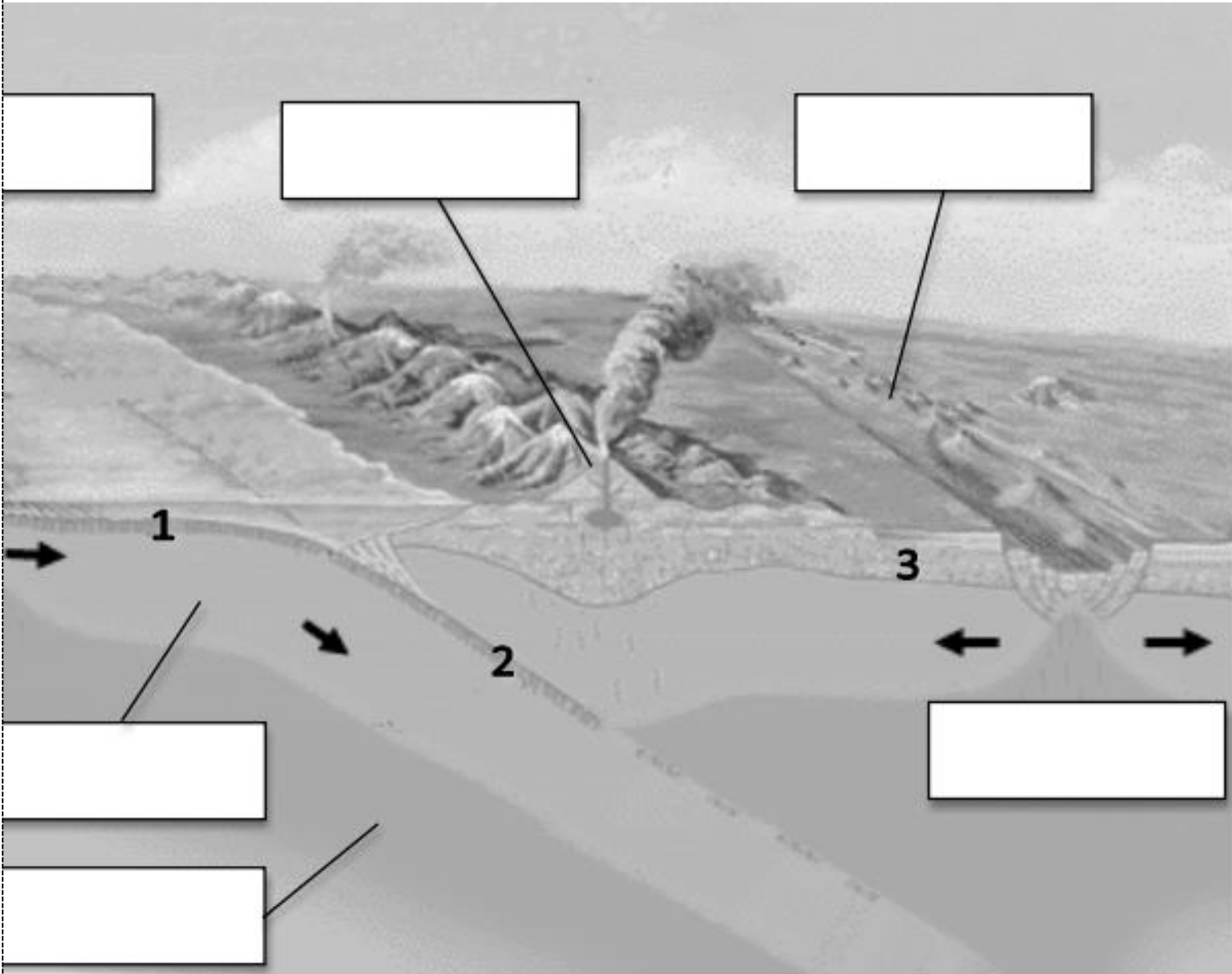


1. Outline the continental crust yellow and the oceanic crust dark blue
2. Outline the water light blue
3. Color the hot spot and the hot spot volcano orange
4. Color the divergent boundary light green, convergent boundary purple, and the transform boundary brown.
5. Color the asthenosphere red and the lithosphere dark green

TECTONICS

Glue Here

Glue Here



6. What is the difference between a convergent boundary and a divergent boundary?
7. Describe what is happening with a subducting plate?
8. What are the 2 types of crust?
9. How does a hot spot volcano show plate movement?
10. What happens to the age of the rock as it moves away from the mid-ocean ridge?

Plate Tectonics Review

Activity 1 – Jumbo Review

Complete the jumbo diagram by adding the correct words from the word bank into the diagram.

Word bank		
Asthenosphere	Lithosphere	Hot spot
Oceanic Crust	Volcano	Transform boundary
Subducting Plate	Seafloor Spreading	Convergent Boundary
Volcanic Islands	Continental Crust	Divergent Boundary

Activity 2 – How the Earth was Made Review Video

1. How did the discovery of tilted rocks by James Hutton lead to his idea that the Earth was older than they thought?
2. What is thought to be the source for most of the Earth's water?
3. What kind of rock started to form continents 3.4 billion years ago?
4. How does the density of basalt (oceanic crust) compare to the density of granite (continental crust)?
5. Explain the idea introduced by Alfred Wegener.
6. What was Pangaea AND when did it exist?
7. How did volcanic activity lead to the split of Pangaea 120 million years ago?
8. Where do diamonds form?
9. What kind of evidence found in the Alps gives validity to plate tectonics?
10. What 2 opposing forces determine the height of a mountain range?
11. What caused the last ice age over 11,000 years ago?
12. What are 2 pieces of evidence that glaciers used to cover the Earth's surface?
 - a.
 - b.
13. Describe will happen to the Earth's tectonic plates 200 million years from now.