

**PHYSICAL GEOLOGY (GEOL121004)-1204**[Content](#)[Homework](#)[Take Test: HW 2: Plate Tectonics](#)

Take Test: HW 2: Plate Tectonics

Test Information

Description Homework based on Chapter 2 of your textbook.

Instructions This homework is due before the end of the day, Friday (9/4). You have two attempts to complete this, and your highest score will be kept.

Multiple Attempts This test allows 2 attempts. This is attempt number 1.

Force Completion This test can be saved and resumed later.

QUESTION 1

10 points

Saved

What attribute is primarily used to distinguish between the lithosphere and the asthenosphere?

- ☐ The asthenosphere make up the tectonic plates
- ☒ The lithosphere behaves rigidly instead of plastically
- ☐ The asthenosphere includes the outer core

❖ Question Completion Status:

QUESTION 2**10 points**

Saved

What type of plate boundary is associated with an accretionary prism?

- ☐ Divergent
- ☐ Transform
- ☒ Convergent

QUESTION 3**10 points**

Saved

What type of plate boundary is associated with the creation of new oceanic crust?

- ☐ Transform
- ☒ Divergent
- ☐ Convergent

QUESTION 4**10 points**

Saved

The east coast of North American is a(n)

- ☐ Continental rift
- ☒ Passive margin
- ☐ Active margin
- ☐ Fracture zone

❖ Question Completion Status:

QUESTION 5**10 points**

Saved

Which of the following was NOT one of Wegener's initial lines of evidence to support continental drift?

- ☒ Matching mountain belts found on both sides of modern oceans
- ☐ The occurrence of identical fossils found on both sides of modern oceans
- ☐ The way that modern continents can be fit together into a single massive supercontinent
- ☐ The magnetic field recorded in rocks
- ☐ The evidence of simultaneous glaciation on widely separated continents

QUESTION 6**10 points**

Saved

Which of the following statements about paleomagnetism is NOT true?

- ☒ Magnetic declination can be used to determine paleolatitude
- ☐ Rocks on different continents record different apparent polar wander paths
- ☐ It records the age of the rock in which it's measured
- ☐ It records the direction of the poles at the time the rock was formed

QUESTION 7**10 points**

Saved

What type of plate boundary is NOT associated with volcanoes?

- ☒ Transform
- ☐ Convergent

❖ Question Completion Status:

QUESTION 8**10 points**

Saved

What type of plate boundary is associated with the deepest earthquakes?

- ☐ Transform
- ☐ Divergent
- ☒ Convergent

QUESTION 9**10 points**

Saved

The long line of volcanoes that make up the Hawaiian Islands are the result of

- ☐ A continental rift
- ☐ A mid-ocean ridge
- ☐ A volcanic island arc
- ☒ A hot spot

QUESTION 10**10 points**

Saved

During a collision between an oceanic and a continental plate, which plate will subduct?

- ☐ Neither
- ☐ Continental
- ☐ Oceanic

🚩 Question Completion Status:

Save All Answers

Save and Submit