

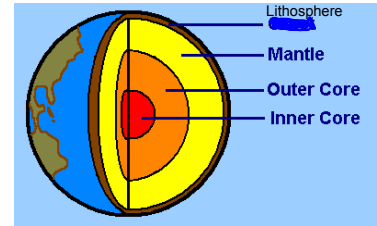
Plate Tectonic Review

Grade: 8
Subject: Geology
Date: Tri 1

Oct 12-2:16 PM

1 Which layer of our planet is completely liquid?

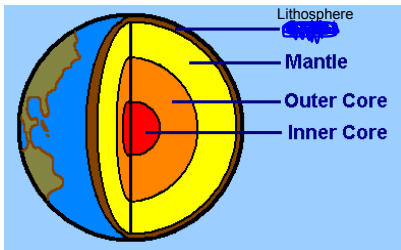
- A Lithosphere
- B Mantle
- C Outer Core
- D Inner Core



Oct 12-2:17 PM

2 What is the inner core made of?

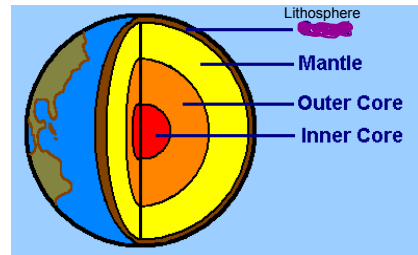
- A Solid Rock
- B Solid Iron
- C Melted Rock: magma



Oct 15-9:28 AM

3 What is the consistency of the Mantle of our planet?

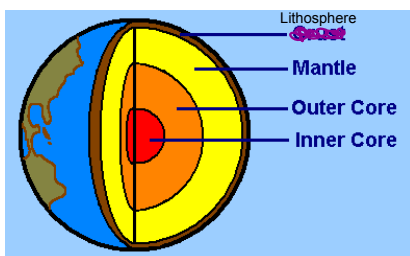
- A Totally liquid
- B Bendable (like play-dough)
- C Totally solid



Oct 15-9:30 AM

4 What material is the Mantle made from?

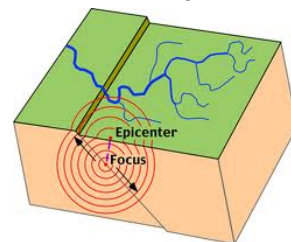
- A Rock
- B Metal
- C Sulfuric Gas



Oct 15-9:40 AM

5 When seismic waves travel through the planet what happens to them?

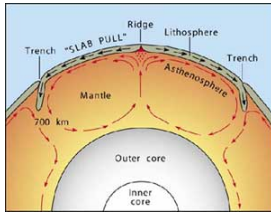
- A they travel in a straight line
- B they bounce back to the surface
- C they curve or refract through the different layers



Oct 12-2:25 PM

6 What causes the convection currents in the mantle and outer core?

- A gravity
- B heat from the inner core
- C wind currents on the surface of earth
- D Ms. Crownhart because she's that cool



Oct 15-10:10 AM

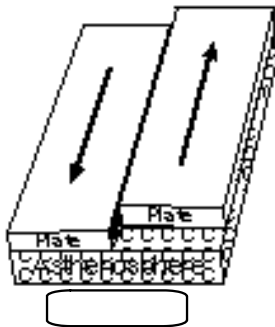
7 Which layer is responsible for the movement of the tectonic plates?

- A Lithosphere
- B Mantle
- C Outer core
- D Inner core

Oct 12-2:22 PM

8 Name the following boundary

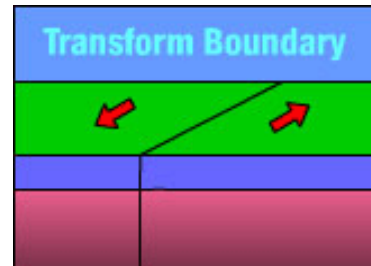
- A Convergent
- B Divergent
- C Transform



Oct 24-3:09 PM

9 What is created at a transform boundary?

- A water
- B earthquakes
- C mountains
- D trenches



Oct 24-3:13 PM

10 Which U.S. state has a transform boundary in it? (hint: think earthquakes)

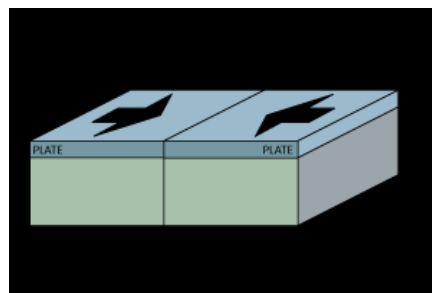
- A Minnesota
- B Florida
- C California
- D Wisconsin



Oct 24-3:30 PM

11 Which boundary is this an example of?

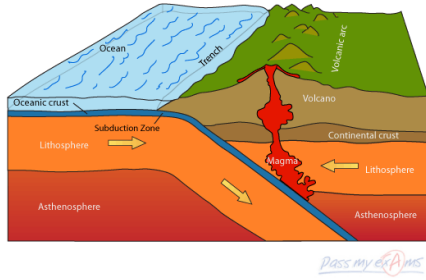
- A Convergent
- B Divergent
- C Transform



Oct 24-3:31 PM

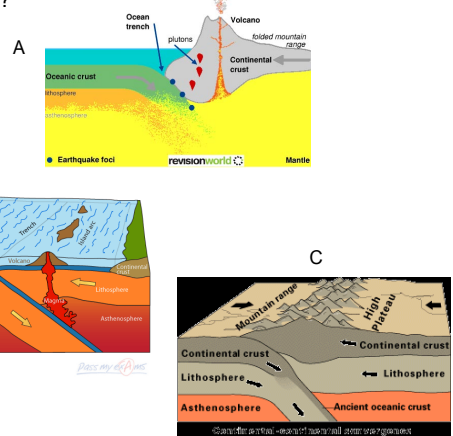
12 Which collision is this picture an example of?
(hint: look at what two plates are colliding)

- A Oceanic-Continental
- B Continental-Continental
- C Oceanic-oceanic



Oct 24-3:33 PM

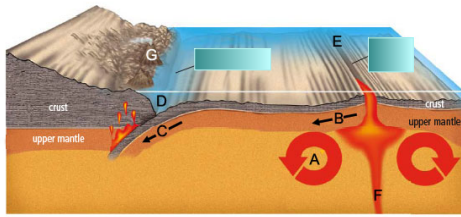
13 Which following picture is a continental-continental collision?



Oct 25-7:27 AM

14 Which letter in this picture is in the trench?

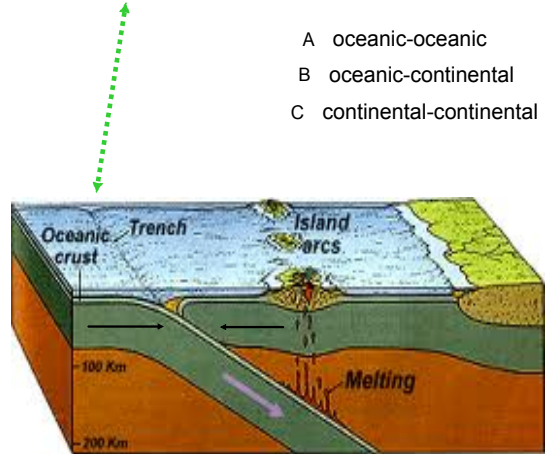
- A
- B
- C
- D



Oct 25-7:31 AM

15 Which collision is this picture representing?

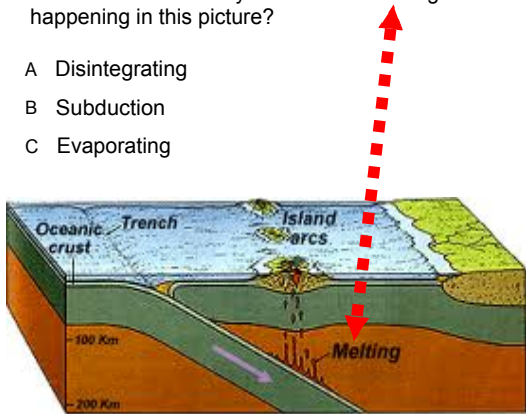
- A oceanic-oceanic
- B oceanic-continental
- C continental-continental



Oct 25-7:36 AM

16 What is the vocabulary word for the melting that is happening in this picture?

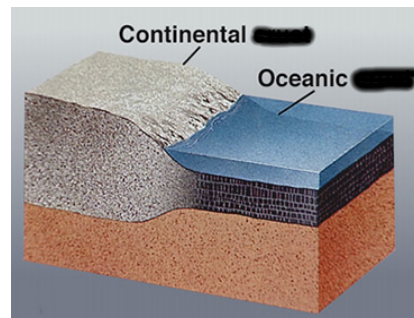
- A Disintegrating
- B Subduction
- C Evaporating



Oct 25-8:29 AM

17 The ocean plates are made of a dense, dark colored rock called:

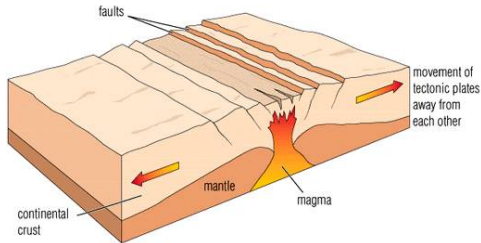
- A Basalt
- B Granite



Oct 25-8:34 AM

18 What forms when a **continent** starts to separate?

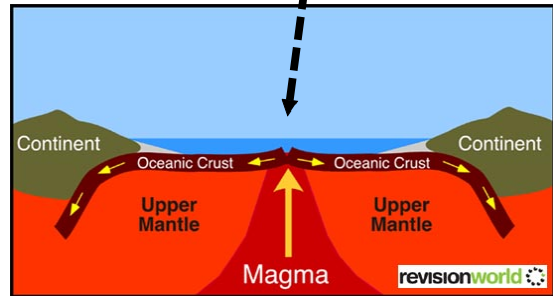
- A Rift Valley
- B M.O.R. (mid ocean ridge)
- C Trench



Oct 25-8:42 AM

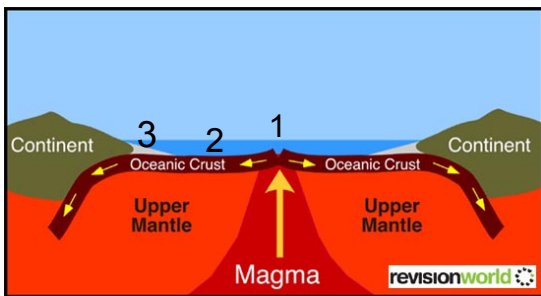
19 What would you call a divergent boundary in the ocean?

- A Rift Valley
- B M.O.R. (mid ocean ridge)
- C Trench



Oct 25-8:50 AM

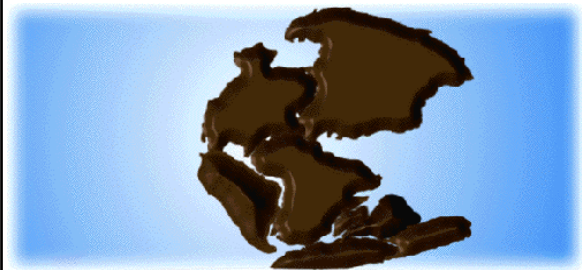
20 Where are the rocks the oldest on the ocean floor?



Oct 15-9:25 AM

21 Why are the lithosphere plate always in constant motion?

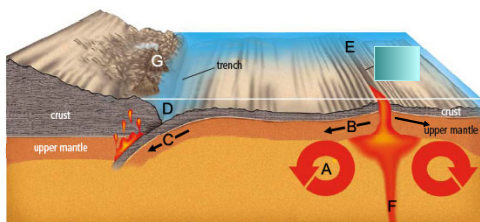
- A Because of gravity
- B Because of convection currents in the mantle
- C Because of wind currents
- D Because of the work of Wizards in Greenland



Oct 25-8:36 AM

22 What feature is found at E?

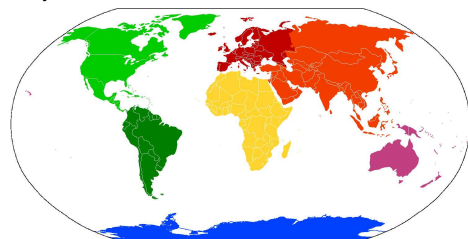
- A Rift Valley
- B M.O.R.
- C Trench



Oct 25-9:29 AM

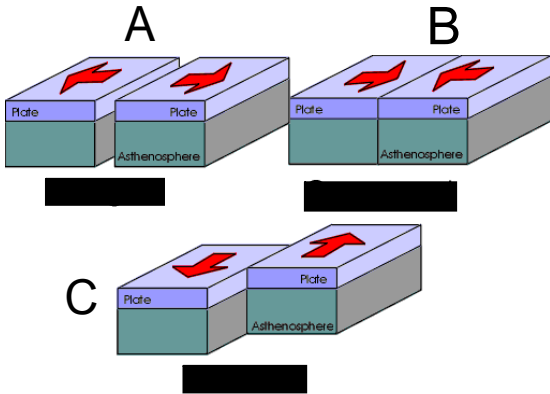
23 Which of the following is a true statement about Continental plates

- A They cannot be split apart
- B It has been melted and created at least four times
- C They are the only plates that don't move
- D They cannot be subducted



May 1-7:37 AM

24 Which picture shows a Divergent Boundary?

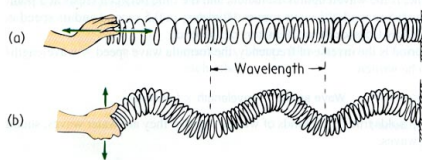


Oct 25-9:33 AM

25 The _____ is a layer of hot rock that causes the movement of the tectonic plates.

Oct 15-10:12 AM

26 What do Primary Waves look like? and what type of wave are they? (two answers)

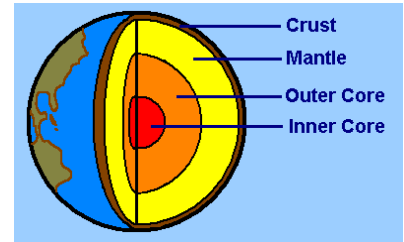


- C transverse
- D compressional

Sep 24-8:00 AM

27 Which layer of the planet do waves slow down in?

- A Lithosphere
- B Mantle
- C Outer Core
- D Inner Core



Sep 24-8:02 AM

28 The mesosaur was a fresh water reptile, why is that important for the theory of Pangaea?

- A It shows it could have lived in the Mississippi
- B so that we know it ate fish like bass and walleye
- C so we know there were rivers back during Pangaea
- D it shows that Africa and South America were connected at one point



Sep 24-8:07 AM

29 What evidence did Alfred Wegener have from Antarctica that helped prove his hypothesis of Pangaea?

- A Frozen Cave People used to live there
- B Ice core samples showing the change in carbon dioxide
- C tropical fossils showing that it's location was closer to the equator
- D tropical fossils showing that the world was on it's side at one point

Sep 24-8:04 AM