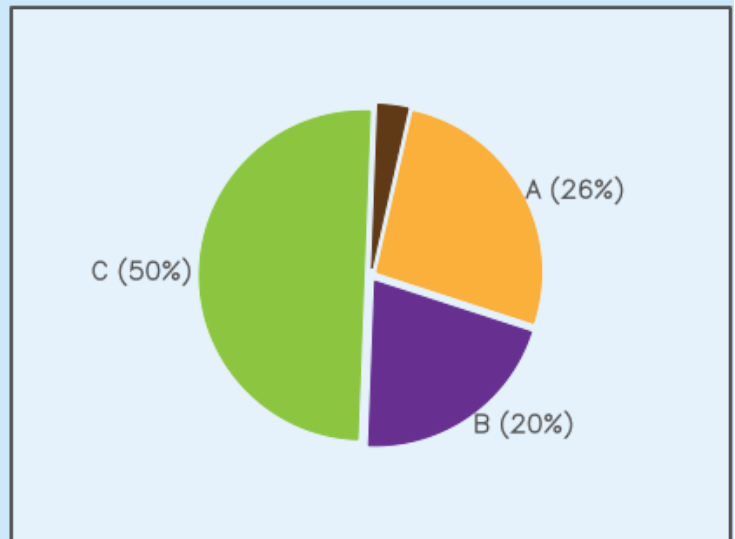


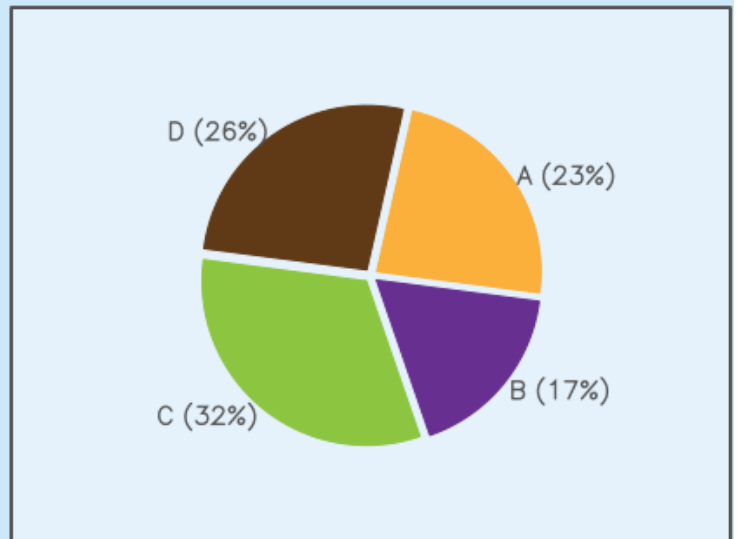
1 Subduction occurs at which of the following tectonic plate boundaries?

- A a divergent plate boundary
- B a transform boundary
- C a convergent boundary
- D a strike-slip plate boundary



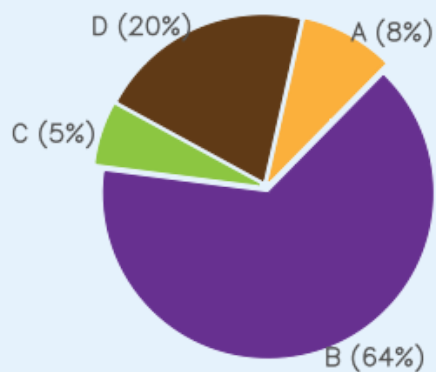
2 Which type of plate boundary is the San Andreas Fault?

- A divergent
- B covergent
- C transform
- D strike-slip



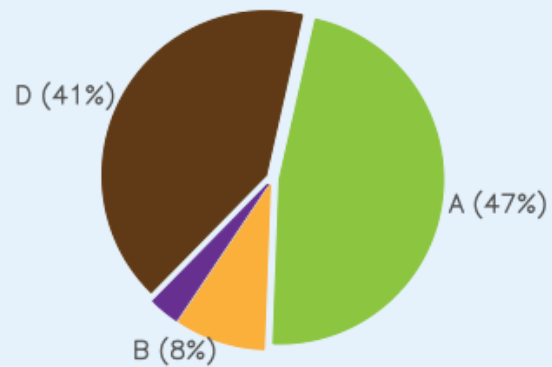
3 Which of the following is the plastic layer of the mantle on which the tectonic plates move?

- A the mesosphere
- B the lithosphere
- C the asthenosphere
- D the outer core



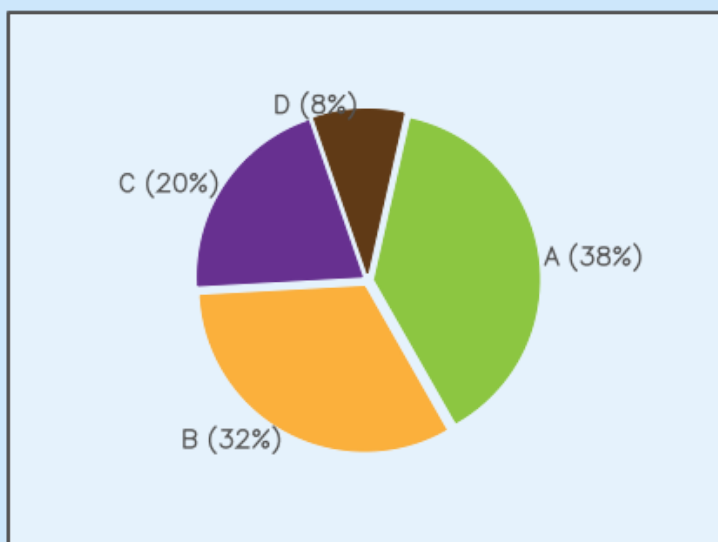
4 How can scientists tell how far the epicenter of an earthquake is from a seismometer station?

- by calculating the difference between the arrival
A time of the P waves and the arrival time of the S waves
- B by calculating the arrival time between P waves
- C by calculating the strength of P waves
- D by calculating the difference in the strength of P waves and S waves



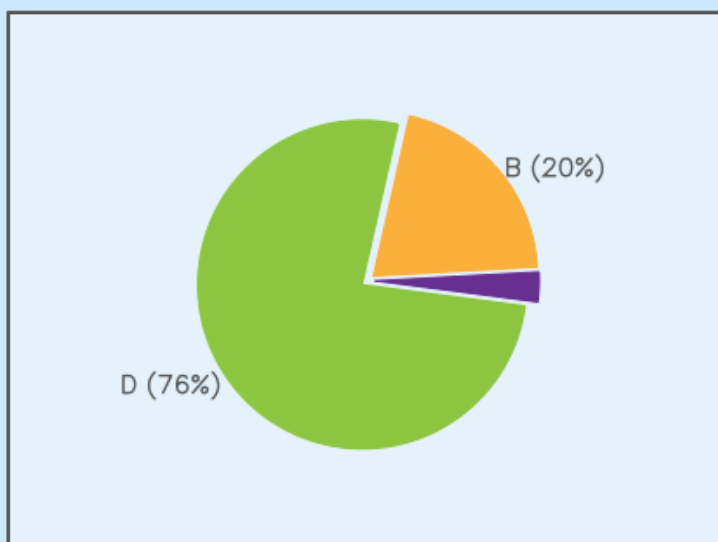
5 Where is the epicenter of an earthquake located?

- A directly above the earthquake's focus
- B directly below the earthquake's focus
- C directly above a seismic gap
- D directly below the point of highest intensity



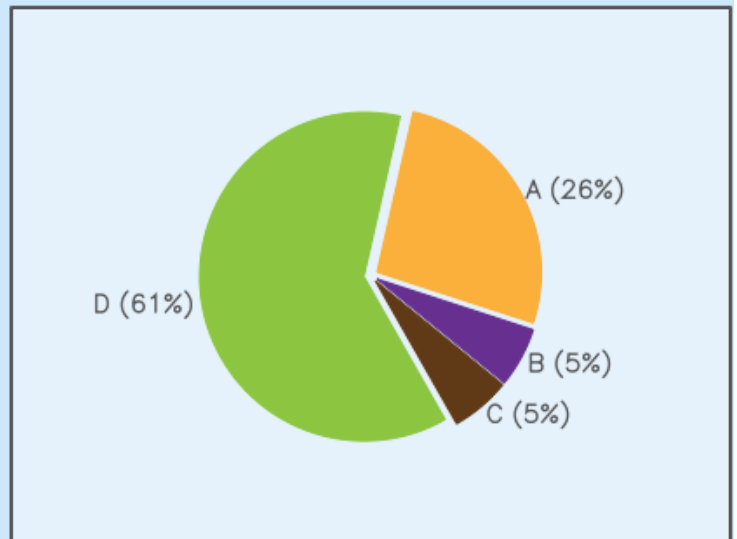
6 The process in which one tectonic plate moves beneath another tectonic plate is called

- A extention
- B friction
- C eruption
- D subduction

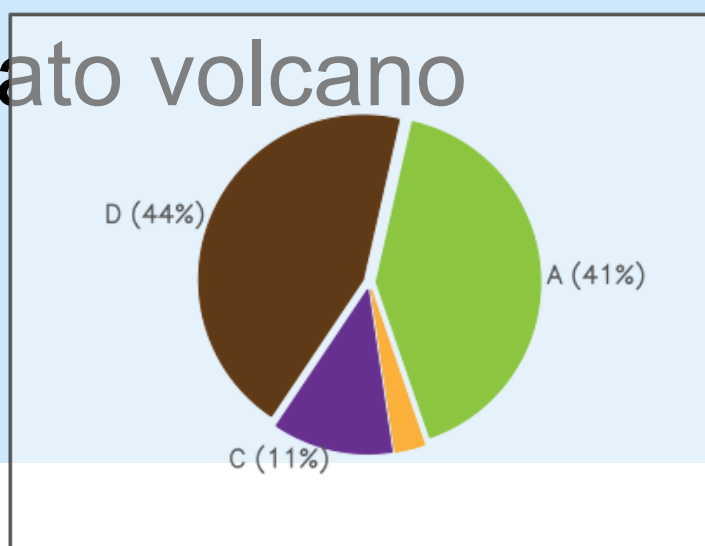


7 Underwater mountain chains that form where two tectonic plates are pulling apart are called

- A hot spots
- B fissures
- C rift zones
- D mid-ocean ridges

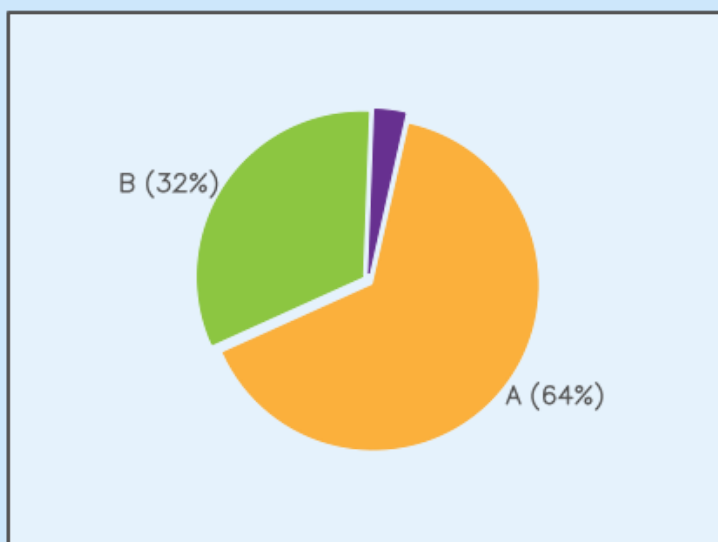


- 8 A type of volcano that typically forms at a hot spot is called a
- A shield volcano
 - B cinder cone
 - C composite volcano
 - D strato volcano



9 Under what conditions is rock most likely to melt to form magma

- A high temperature and high pressure
- B high temperature and low pressure
- C low temperature and high pressure
- D low temperature and low pressure



10 Where are most volcanoes located?

- A in trenches
- B in subduction zones
- C in the middle of tectonic plates
- D near the edges of tectonic plates

