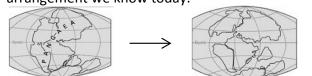
Name:	Da	ate: Pe	eriod:	2 <sup>nd</sup> Quarter Bo	enchmark Test R	Review Guide
	• •		• •		the 2 <sup>nd</sup> quarter Geology bendered of the group member des	
: Time Ke : Recorde : Checker	eper Encourages er Compiles group • When the group	the group to stay on tag members' ideas on col is in agreement of thei	sk. Announces wh laborative paper f r answers for eac	n station retrieves the answ		sheet too! and grades the group's
Station 1 or Station 4:	Rock Cycle			Rock (	Cycle	ion
Concept Map  can contain  which are the remains of formed as he	contain such as formed by and or	which m have for	nay			KEY FOR ARROWS       Cooling       Weathering & Erosion

#### Station 2 or Station 5: Plate Tectonics

## **Pangea**

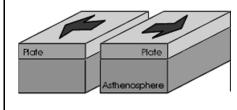
Pangea is a supercontinent that existed approximately 225 million years ago. Through the motion of Earth's tectonic plates the supercontinent divided into the landmass arrangement we know today.

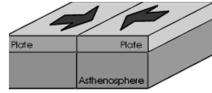


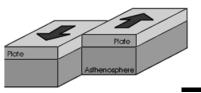
1. How were fossils of animals and plants critical in Wegener's theory of continental drift and the existence of Pangea?

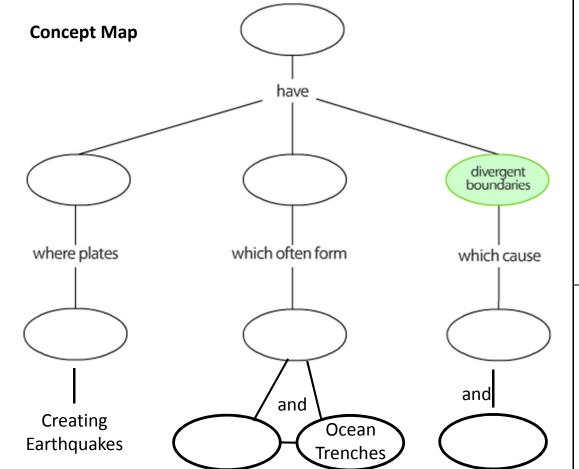
# **Types of Plate Boundaries**

Name the three types of plate boundaries:



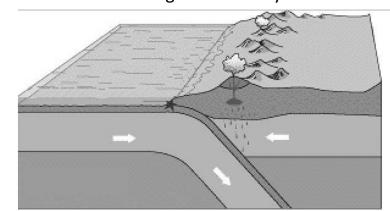






#### **Subduction**

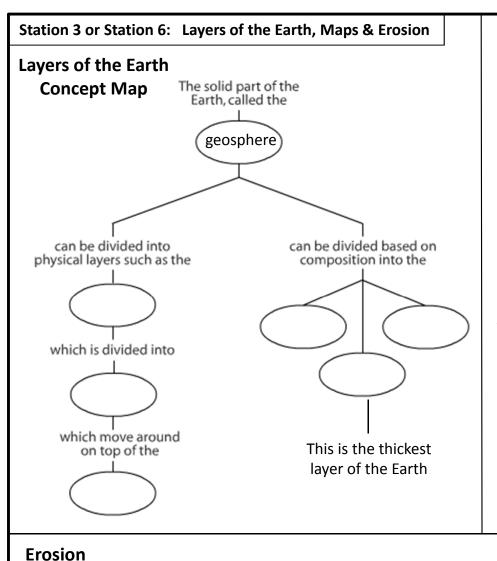
Label the components in the diagram showing subduction at a convergent boundary.



# **Triangulation**

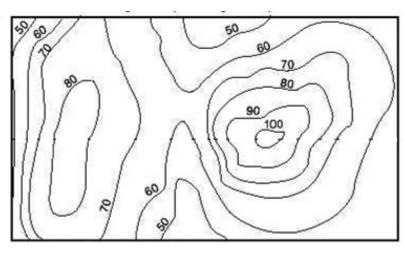
By measuring the time difference between P-Waves and S-Waves from an earthquake, scientists can locate the epicenter. The epicenter is the point on the surface of the Earth directly above the focus (origin of the quake). Mark the epicenter in the diagram with an X.



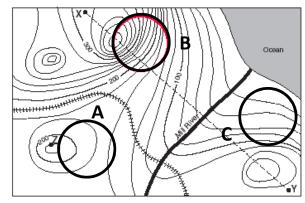


### Maps

- 1. Label the tops of the two hills with an **X**.
- 2. There is a building with an elevation of 90 feet. Mark a possible location for this building on the map with the letter **A**.



3. Which of the following letters shows the steepest slope? How do you know?



Soil erosion occurs worldwide and is normally a slow process. The eroded soil is often deposited elsewhere; however, sometimes soil erosion can cause problems especially for farms and river banks.

2. If the sides of a rive what are some sugges place?

Therefore there are strategies to help in limiting soil erosion!

1. How is contour plowing (farming) different then crop rotation?

2. If the sides of a river are eroding away, being washed down stream, what are some suggestions that you have to help keep the soil in place?

# Additional Study Aides

- Lithosphere Impact Sheet!!! ← Important!
- Erosion Quiz AND Erosion Study Guide
- Past Tests & Study Guides:
  - Rocks & Minerals
  - Earthquakes, Volcanoes & Plate Tectonics