Chapter 9 The History of Life on Earth &
Chapter 8 Studying Earth's Past
Life Science

Name:
Period:
Date:

p.271 **When Tectonic Plates Meet**

Tectonic plates may contain _____ lithosphere, _____lithosphere, or _____ types of lithosphere. As tectonic plates _____, they _____, _____, and _____ past each other. Places where _____ or _____ tectonic plates _____ are called plate _____. There are _____ main _____ of plate _____. The type of plate boundary that _____ is a result of _____ the plates _____ relative to _____ other.

Convergent Boundaries
Plates move _____ each other at a _____ boundary, as shown in Figure 2. If both plate _____ are _____ lithosphere, the rocks are forced _____ until they _____ to make great mountain _____. But if _____ plate is _____, _____ oceanic _____, it may _____ downward into the _____. As the _____ sinks, surrounding _____ may _____. Some of this _____ rock _____ to the _____ and makes a _____ of _____.

Divergent Boundaries
Plates move _____ at a _____ boundary, as shown in Figure 2. This process forms a _____-a giant _____ in the _____. Volcanic _____ fill the _____ with _____ that _____ to form new _____ lithosphere. If a rift _____ apart a _____ and then _____ for _____ of years, a new _____ forms. The _____ may gradually _____ into a new _____.

Transform Boundaries
_____ plates _____ horizontally _____ each other along a _____ boundary, as shown in Figure 2. The _____ of the _____ can cause _____ in the area of a _____ boundary. One of the world's _____ well known transform boundaries is the San _____ fault, which _____ right across _____.

7.4.a Students know Earth processes today _____
_____

7.4.e Students know fossils _____
_____

7.4.f Students know how movements of Earth's _____
_____
_____

p272 **Continental Drift**
As the _____ plates _____, they carry the _____ along as _____. Continental _____ is the _____ that is used to describe _____ continents have _____ around Earth's _____ throughout Earth's _____. As a _____ moves across Earth's _____, it carries _____ and _____ with it.