Name:_____

Date Started:_____Date Completed:_____Score:_____

Learning Activity Sheet

Evidence Supporting Plate Tectonics

A. Read and answer each item carefully. Encircle the letter of the correct answer.

1. Which of the following will give you an idea that the continents were once joined?

   A. the coastlines of continents
   B. changes in climatic pattern
   C. evidence of seafloor spreading
   D. position of the polar regions

2. How do bedrock striations help in proving the continental drift theory?

   A. locating past glaciation
   B. distribution of fossil species
   C. magnetic polarity presence
   D. fit of the continents

3. Which of the following geologic feature will you NOT find along convergent plates?

   A. rift valleys
   B. active volcanoes
   C. mountain ranges
   D. volcanic island arc

4. Which of the following increases in relation to the distance from the mid-oceanic ridge?

   A. oceanic crust age
   B. oceanic crust thickness
   C. oceanic crust density
   D. all of the above

5. What does the plate tectonic theory tell us?

   A. As part of the mantle heats up, it rises up.
   B. The continents today were once a big supercontinent.
   C. The seafloor was created at mid-ocean ridges, spreading in both directions from the ridge axis.
   D. The outermost layer of the Earth is fragmented into several plates that move over the molten upper portion of the mantle.

B. Write the words or group of words that will complete each statements. Use the spaces provided for your answer.

1. _____ is the study of the extended climatic conditions of past geologic ages.

2. Rocks retain a record of the Earth's _____ that existed at the time the rocks formed.

3. Heat _____ causes currents of hot rising and cooler sinking magma to flow, moving the crust plates along with them.

4. The distribution of _____ species required the continents to have been adjacent to one another in the late Paleozoic and early Mesozoic Eras.

5. _____ is an interval of time within the ice age that is marked by colder temperature and glacier advances.