Name: _____

Date: _____ Period: _____

Plate Tectonics

Earth Science

Packet: Continental Drift

CLASS NOTES

- Continental Drift - _____

  _____

- Pangaea - _____

  _____

Pangaea Begins to Break Up
232 million years ago

- Alfred Wegener [1915]
  - German _____ and _____
  - Proposed the theory of _____
  - Hypothesized a _____

- Evidence of Continental Drift:
  1. Similarities in the _____ of Africa's west coast and South America's east coast
  2. Fossil remains of the _____ were found in South America and South Africa
  3. Fossil remains of the _____ were found throughout India, South America, Africa and Antarctica

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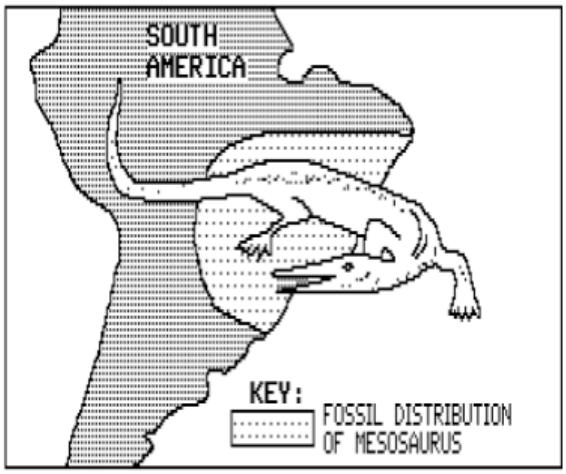
Base your answers to the question below on the digram below and on your knowledge of Earth Science.



1. On what other landmass would you most likely find fossil remains of the Mesosaurus?
    a. North America
    b. Antarctica
    c. Asia
    d. Africa

2. Which statement best supports the theory of continental drift?
    a. Rock is found to be progressively younger at increasing distances from a mid-ocean ridge
    b. Marine fossils are often found in deep-well drill cores
    c. The present continents appear to fit together as pieces of a larger land mass
    d. Areas of shallow-water seas tend to accumulate sediment, which gradually sinks

3. As evidence accumulates, the support for the theory that the present continents were at one time a single large landmass
    a. increases
    b. decreases
    c. remains the same

4. Which evidence does *not* support the theory that Africa and South America were once Pangaea?
    a. correlation of coastlines on opposite sides of the Atlantic Ocean
    b. correlation of living animals on opposite sides of the Atlantic Ocean
    c. correlation of rocks on opposite sides of the Atlantic Ocean
    d. correlation of fossils on opposite sides of the Atlantic Ocean

5. When did Pangaea initially start to break up and begin to separate?
    a. 65 million years ago
    b. 142 million years ago
    c. 232 million years ago
    d. 542 million years ago