

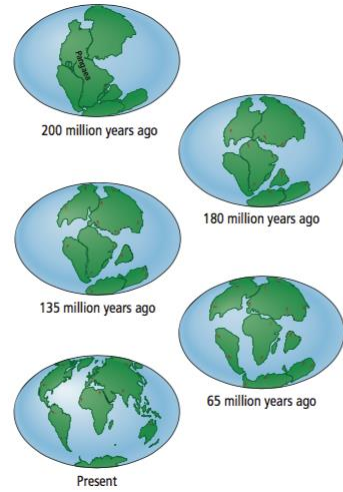
1. Pangea
2. Continental Drift Theory

Name all 7 continents:

- | | |
|----|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. | |

Pangaea

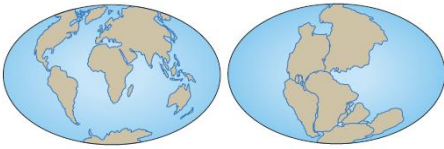
- Pangaea is the name for the original _____.
- Pan →
- Gaea →
- The continents looked like they might fit together like _____ pieces.
- In the early 20th century, German scientist Alfred Wegener developed the _____.



Continental Drift Theory

- States that the continents have not always been in their present locations but have “_____” there over _____ of years.
- Wegener’s first clue that the continents were in _____ came from his and others’ observations of _____.

Evidence for Continental Drift:



1. Jigsaw Puzzle Fit

- The apparent match on a world map between _____ and _____.

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2. Matching geologic features and rocks on different continents

- Mountain ranges that begin on _____, end at the _____ and then appear to continue on a _____ across an ocean.

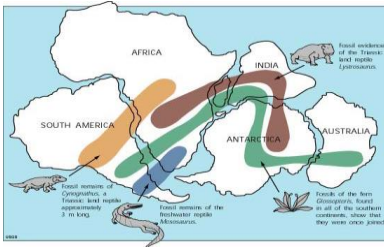
• Ex.



3. Matching fossils on different continents around the world

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4. Paleoglaciation

- _____ leave markings as they move.

- These markings left by _____ are now found in parts of the world that are now _____.





5. Coal Deposits

- Coal forms from _____ of living things in _____ areas.
- Coal deposits were found in _____ which suggests that it once had a _____ climate.
- Therefore _____ must have been situated in a _____ location on the planet.

Summary Questions:

1. In your own words, describe continental drift theory.
2. List and describe the pieces of evidence that support Wegener's continental drift theory.
3. What was Pangaea and what does the word mean?
4. Explain how the presence of coal deposits in **northern** Canada support the continental drift theory.
5. A scientist discovers a fossil on the west coast of Africa. She searches the east coast of South America for the same fossil. Using the timeline, explain why she may or may not find the fossil.

6. Looking at the diagram on the right and using what you have learned about continental drift, **predict and draw** what you think the Earth will look like in 50 million years from today.

