

The Theory of Continental Drift

Part 1 – Video and Google

After watching the video, answer the questions below and write in complete sentences where appropriate.

1. In what year did Alfred Wegner propose the theory of continental drift?
2. Briefly describe in your own words (and in complete sentences) the theory of continental drift?
3. Wegner had quite a bit of evidence for his theory. Describe each evidence in your own words (and in complete sentences).
 - a. Matching Continents
 - b. Matching fossils
 - c. Matching rocks and mountains
4. What did Wegner propose moved the continents? (There are three ways)
 - a.
 - b.
 - c.
5. Even though he had all of this evidence, other scientists didn't accept his theory. Why?

Part 2 – Modeling Continental Drift

Procedure: Preferable have someone else get a picture from a magazine and cut it up into pieces for you to put together.

1. Obtain a picture from a magazine.
2. Cut the picture up to make a puzzle with 12 – 15 pieces. Make the pieces different shapes.
3. Put that puzzle together and glue it to a sheet of paper.
4. Answer the questions below.

Analysis questions - make sure to use complete sentences

1. What are 3 things you used as clues to help you put the pieces of the puzzle together?

1)

2)

3)

2. Think about the three evidences that Wegner used for his theory of continental drift and relate them to the clues you used to put your puzzle together. Fill out the table below. **Make sure you use complete sentences.**

Clue you used for the puzzle	How is this clue similar to the evidence of continental drift?

3. Imagine that you find puzzle pieces in different places spread throughout the room. When you put them together they fit perfectly together. What are the chances that these pieces came from different puzzles? What are the chances that they came from the same puzzle?

Conclusion - Write a summary paragraph (5-6 sentences) of everything you learned in this activity: