Name
Match the following type of support with the pieces of evidence listed below.  a. changes in climate b. continents were once connected both a and b
1. Mountains in Karoo, Africa match mountains in Brazil, South America 2. Mesosaurus reptile fossils found in Africa and South America 3. Glacial grooving found on Australia, Antarctica, India, South America and Africa 4. Lystrosaurus and cynognathus reptiles found on India, South America, and Africa 5. Glossopteris fern fossils found on Antarctica 6. Matching coastlines of Africa and South America 7. Fossil evidence can indicate a change in climate. What is a probable cause for this? a. Earth has moved closer to the sun. b. Continents were in a different location relative to the equator or the poles. c. Increased temperatures on Earth due to global warming. d. all of the above.
Review/Study Guide: Continental Drift
1. Name and describe the 3 big pieces of evidence that support Wegener's continental drift theory (other than the puzzle—like fit). 1) Matching fossits on different Continents 2) matching rocks/mountain belts 3) glacial evidence.  2. The idea that continents have moved horizontally to their current locations is called the Continental Drift theory.  3. Name the supercontinent that Wegener proposed split into the continents today. Pangaea 4. Name the fossil fern that helps support the theory of continental drift. Glossopten's 5. How does the Mesosaurus fossil (a fresh-water reptile) found on South America and Africa support the continental drift theory? Could not fly or swim in Salt water; had to walk across  6. Matching fossils mountain on different continents is evidence for continental drift. rocks 7. How was Wegener's idea received by the scientific community? Why? was rejected because he could not explain How the Continents moved.  8. What was the one question Wegener could not explain? How do the Continents moved.
9. Glossopteris fern fossils were found on Antarctica. What does this say about the climate of Antarctica? Antarctica had to be located closer to the equator where it was warmer.  10. When do scientists believe Pangaea split apart? 250 million years ago 11. What does Pangaea mean? All lands or All Earth.  12. From lowest to highest temperature, which is the correct order of Earth's layers? crust, upper mantle, lower mantle, outer core, inner Core.  13. In general, how does the density of material in Earth's layers change with depth?  Density and temperature both increase as depth increases.  14. Which layer of the Earth is the most dense? inner core.  15. Which layer of the Earth is entirely liquid? outer core.  16. What two kinds of crust are there? Okanic and continental.  17. Which layer of the Earth is the hottest? inner core.
18. Which layer of the Earth is the thickest? mantle (upper, lower)