Read p. 217 and answer the following questions:

1.	Who was Alfred Wegener?
	A German scientist who wanted to know if Earth's continents were in fixed
	positions
2.	What did he propose?
	all continents were once part of a supercontinent called Pangaea
3.	Over time, what happened to Pangaea?
	it broke apart and the continents slowly moved to their present position
<mark>4.</mark>	Define Wegener's theory of Continental Drift:
	The continents are in constant motion on the surface of the Earth
5.	What did he notice about the coastlines of Africa and South America?
	the similarities of the coastlines now separated by oceans (see picture)
Read p	o. 218 and answer the following questions:
6.	What was the most obvious evidence for continental drift?the continents appear to
	fit together like a puzzle
7.	What did Wegener need to help prove his theory?EVIDENCE!
<mark>8.</mark>	Read Climate Clues
	a. Explain what finding glacier grooves helped to prove.
	Grooves showed that the current positions of S Am/Africa/India/Australia
	are too warm to have glaciers; so these landmasses must have been located near
	the South pole, where it was colder and glaciers could form
	b. Where did Wegener think that South America, Africa, India, and Australia were once
	located 280 myo?closer to Antarctica
	c. What did he propose about the climate of the Southern Hemisphere?much
	cooler than today
	d. What did he believe covered these areas?glaciers (ice sheets)
9	Read Fossil Clues
<u>J.</u>	a. How did Wegener believe it was possible that fossils of similar organisms were found
	on continents separated by oceans?the landmasses must have been
	connected at one time
	b. Example from the book:glossopteris a fern like plant
	(also could be evidence for climate since found in colder climates, but needed a
	wetter, warmer climate to grow)
	c. *Examples not from the bookmesosaurus (reptile) &
	lystrosaurus (herbivore) ( these small animals would NOT
	have survive a journey across an ocean)
	management of a journey and occurry

10. <u>Re</u> a	ad Rock Clues (sometimes known as land features) (p. 220)
a.	What did Wegener notice about mountain ranges and rock formations on different
	continents?they had common origins _
b.	What is known about the volcanic rocks found in both Africa and South America?
	there was a large-scale volcanic eruption that occurred at roughly the same
	time; the rocks are identical in both chemistry (composition) and age
<mark>C.</mark>	What is known about the Caledonian Mt Range in northern Europe and the
	Appalachian Mt Range in eastern North American?also similar in age and
	structure (composition); have the same rock type; mountains could make one long,
	continuous mountain belt
Read p. 22	1 and answer the following questions:
	nen were Wegener's ideas widely accepted?4 decades after his death
•	070)
	nat could Wegener NOT explain during his lifetime?how the
	ntinents could move _(the force that moved them)
	nere was the evidence he needed hidden?on the afloor
Read p. 22	23 and answer the following questions:
14. 120	O million years ago, how many landmasses existed?2
15. Cal	lled?Laurasia
	Gondwanaland
	nat was recently found in Antarctica?fossilized tooth of a small land
	nere do scientists believe that fossil's relatives live today?
	Madagascar
18. Wh	nat now separates these landmasses?ocean
19. Thi	is is another proof forfossil evidence (#9)