Name:	Date:

Plate Tectonics

	Video: Continents Adrift		
	Using the following words, fill in the blank lines to answer the points mentioned in the video.		
	ash fire plate tectonics content fossils South America continental drift hot spot subduction convergent lithosphere subduction zone convergent magma tectonic plates convergent boundary magma chamber the sea floor is spreading dive beneath mantel Transform boundary divergent boundary mid-continent drift volcanoes arrhquake Mountain ranges year fault Pangaea		
1.	Africa and coastlines seem to fit together easily.		
2.	German scientist, Alfred Wegener, called his early content:		
3.	. The theory of moving contents was called:		
4.	Evidence that the continents were once attached together are the of plants and animals.		
5.	What was found at the bottom of the ocean?		
	Why are the rocks on the ocean floor gradually becoming older the further away they are		
	from the underwater ridge?		
7.	When scientist mapped earthquakes that occurred all over the world, they found that the		
	earth was broken up into sections they call:		
8.	The theory related to these plates is called		
9.	The solid portion of the mantel and the earths crust forms the Earth's outer shell called		
	the:		
10.	Each plate carries a continent, and they are moving 1-2 inches a		
11.	Materials in the are moving which causes the plates to move above them.		
	When plates are moving in opposite directions, this is called a:		
13.	When plates collide together, this is called a:		
14.	When plates slide past each other, this is called a:		
	The mid-ocean ridge below the Atlantic Ocean is an example of a divergent boundary		
	between the North American plate and the Eurasian plate. Scientists believe that as the plates		

	move apart, the mantle material we call rises from below and fills the gap. Plate
	material is created.
16	Plate material is destroyed at a boundary. At this boundary, two plates are
	moving towards each other. One plate is heavier and will the other plate.
	The leading edge of the diving plate is consumed back into the mantle. This process is called
	subduction and the area where it occurs is called the
17	. A crack in the earth's crust is called a One side of the crack will move in one
	direction, while the other side will move in another direction. When one side of the fault
	moves in the opposite direction of the other side of the fault, this causes an
18	. Active also occur along plate boundaries. The 'ring of ' refers to
	the circular chain of volcanoes around the Pacific plate, and has the worlds most destructive
	volcanoes.
19	. Most volcanoes occur around zones. In this area, magma rises in large globs
	into the upper plate. Eventually the globs stop rising and some of them may form a
	When pressure builds, magma sometimes finds its way to the surface where it can
	, spewing lava, gas, volcanic and debris.
20.	. Some volcanoes, like the ones in the Hawaiian Islands, occur thousands of miles from the
	nearest plate boundary. Scientists believe that these volcanoes are caused by a
	in the Earth's mantle. Hot spots occur when magma finds its way through the
	Earth's crust where cold ocean water causes it to harden. More magma follows, adding to the
	formation of an underwater volcanic dome. The dome becomes larger over thousands of
	years and may eventually rise above sea level. Hawaii and many islands around the world
	were formed just this way.
21.	Like volcanoes, are also formed by plate movement. Most mountain ranges
	are located along boundaries.
22.	are formed when two plates of similar weight collide
	together, they squeeze up together and under tremendous pressure the layers of the Earth's
	surface are compressed and folded, rising high into the air.