## How the Rockies were Made

1) The Rockies are the longest in the world.	
2) It stretches from New Mexico to	·
3) The Great Inland Sea existed for over upheaval filled it.	million years until tectonic
4) Ammonites, which lived in the sea, becago, when the sea vanished. Ammonite for above current sea level.	
5) The Flat Irons are tilted at more than _	degrees.
6) The quantity of in an igneous which it formed.	rock can tell geologists the depth at
7) The granite of the Flat Irons was formed	ed miles below the surface.
8) The collision and subduction of the Pacthe Rockies miles inland.	cific and North American Plates created
9) Geologists think that the Rockies form	ed on a line where
10) Leaf fossil gave clues as the top of the mountains.	to the micro-climates from the base to
11) The ratio of leaves to differences.	leaves yields the temperature
12) In a hot air balloon, for every mile yo degrees F.	ou ascend the temperature changes by
13) Based on the leaf fossils, sixty million higher than Denver.	n years ago the mountains were
14) What happened to the the mountains?	tons of rock that were at the top of

15) The eroded ma		ies filled in the basins and valleys to a depth
16) Volcanic erupt landscape with tep		years ago covered the
17)and buried the Roc		completely transformed the terrain
	aterial) washed into a sported to the sea.	the and
19) The boulders f compared to those	<del>-</del>	e composed of materials that are different
•	that can produce the and lots of it.	se parallel scratches, called striations, on
21) The last ice ag	e came to an end, abo	out years ago.
	ozen epochs of glacia	nificant ice ages in Earth's history, with al expansion occurring in the past 1 million
22) Alarming new deep		at the Rockies will one day collapse into a
23) Over the past _end of the Rockies	•	iant rift has been opening at the southern
24) This rift area is	s known as	·
25) Travertine is a springs.	form of limestone de	eposited by mineral springs, especially
26) These	, source of the wa	ter, form as the rift valley is pulled apart.
	found in the water are	e the same as those found
	as it bubbled up thro	ugh the water, was analyzed and found to
-	form of gas is releas	ed as rises toward the