	cal Geology Sevier High School e Notes – Chapter 20	70	Name Due Date Per			
1.	belts are chains of mountain ranges that are 1000s of km long.					
2.	Mountain ranges are commonly	y located at or near	the	of continen	tal landmasses.	
3.	Mountain belts are part of the _		·			
4.	What two forces form mountain	ranges (2pts)?				
5.	As mountains grow higher and steeper, erosion rates (increase/decrease).					
6.	Air (atmosphere) rising over mo	ountain ranges resu	ılts in		and	
7.	Name the ten major mountain r		Opts).			
	Mountain belts are very Older mountain ranges (Appala (Himalayas) due to	compared to be	o their width.		ounger ones	
10.	Young mountain belts are of million		ears old, wherea	as older ones	may be	
11.	Ancient mountains have eroded	d nearly flat to form are area				
12.	Much of Canada is a shield (he and cratons, what would be the					
		e most common roc	k type found in C	Canada?		
13.	and cratons, what would be the Mountain belts typically contain sedimentary rocks, often of ma	e most common roce thick sequences of the origin. May also d of many folds and	k type found in C of so contain great d reverse faults) . Com	Canada? and _ thicknesses of indicate nmon at	fshortening	
13. 14.	and cratons, what would be the Mountain belts typically contain sedimentary rocks, often of ma rock. Fold and thrust belts (compose (and thickening) produced by	e most common room thick sequences of rine origin. May also d of many folds and arge amounts of m	k type found in C of so contain great d reverse faults) Cometamorphic rock.	Canada? and _ thicknesses of indicate nmon at	fshortening	
13. 14.	and cratons, what would be the Mountain belts typically contain sedimentary rocks, often of ma rock. Fold and thrust belts (compose (and thickening) produced by _boundaries. Typically contain leading to the sedimental s	e most common room thick sequences of rine origin. May als d of many folds and arge amounts of m ountain belts can re-	k type found in C of so contain great d reverse faults) Com etamorphic rock.	Canada? and _ thicknesses of indicate nmon at f	fshortening	

___ stage.

19.	rypically accumulation occurs in what three locations?
20.	Mountains are uplifted at convergent boundaries during the stage, and results from what three events?
21.	Subsequent gravitational and spreading may bring deep-seated rocks to the surface.
22.	After convergence stops, a long period of, and block-faulting occurs.
23.	As erosion removes overlying rock, the crustal root of a mountain range rises by adjustment. Tension in uplifting and spreading crust results in normal faulting and fault-block mountain ranges.
24.	Basin-and-Range province of Western North America may be the result of, which is where overthickened mantle lithosphere beneath old mountain belts may detach and sink into asthenosphere resulting in the inflow of hot asthenosphere that can stretch and thin overlying crust, producing normal faults.
25.	Continents become (smaller/larger) as mountain belts evolve along their margins. Accumulation and igneous activity may also add new continental crust.
26.	New accreted can be added with each episode of convergence. Western North America (especially Alaska) contains many such terranes.
27.	What is the likely date for the beginning of mountain building on the Earth, and why (5pts)?
28.	Why are foliated metamorphic rocks, particularly schists and gneisses, so commonly associated with the cores of mountain ranges (5pts)?
29.	Why is the continental crust generally thick under mountain ranges (5pts)?
30.	The mountains directly West of Gunnison, Utah are capped in Flagstaff Limestone. It is very common to walk in the high country and find fossilized snails on the ground. It is known that Lake Flagstaff covered much of Central and Northeastern Utah about 66 million years ago. Explain how the snails that once lived in Lake Flagstaff are now found in the mountains (5pts).