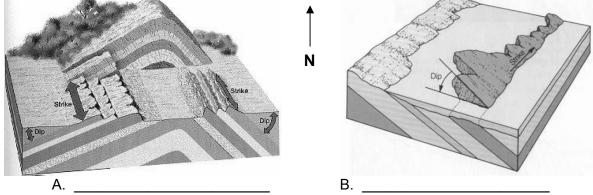
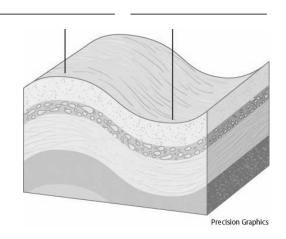
South	cal Geology Sevier High School re Notes – Chapter 15		<u></u>	Name _ Date _ Per			
	·		_	_			
1.	units and the forces that	_ Geology is the it cause them.	e study of the	e shapes,	arrangemen	it, and interrelat	ionships of rock
2.	is force per unit area applied to rock. The three basics types are:						
	a						
	b. c.		_				
3.	is			of rock in re	esponse to a	applied stress.	
4.	For the following pictures, write down the type of stress that is being depicted.						
					1	A /	
						*	
					1	b	
5.	Rocks behave as elasting applied,						
6.	A rock that is stressed	—· through tension ₋ ·	or compres	sion, then	returns to its	s original shape	is said to be
7.	A rock that is stressed	peyond its elast	ic limit and l	bends like	a warm plas	stic is said to be	
8.	A rock that is stressed beyond its elastic limit and fractures is said to be						
9.	are places where bedrock is exposed at the surface.						
10	is with a horizontal plane.	the compass di	rection of a	line formed	d by the inte	rsection of an ir	clined plane
	with a horizontal plane.	is the	e direction a	nd angle f	rom horizoni	tal in which a pl	ane is oriented.
11	. Measure the strike and parallel to the ground s						
		CECHO STOCKE TOTAL TOTAL CECHO COMMISSION		† N			
	Strike	1	Strike		The second		

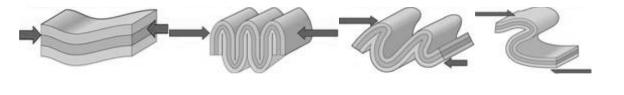


12 ar	e wavelike bends in layered rock.	
13	are upward-arching folds, and	are downward-
arching folds.		

14. Examine the image below. Label the anticline and syncline.

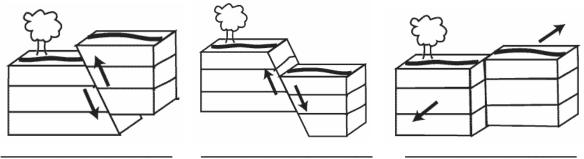


15. Label the images below with the correct fold type (4pts).

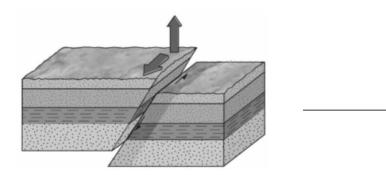


	are structures in which the beds dip away from a central point (sometimes called doubly plunging anticlines) are structures in which the beds dip toward a central point.					
	7 are fractures in bedrock along which no movement has occurred on the other hand are fractures in bedrock along which movement has occurred.					
18.	A fault is considered active if the fault has moved in the last years.					
	faults have movement parallel to the dip of the fault plane. There are two types which are:					
	a faults, the hanging-wall block has moved down relative to the footwall block. b faults, the hanging-wall block has moved up relative to the footwall block.					
20.	faults have movement that is predominantly horizontal and parallel to the strike of the fault plane.					

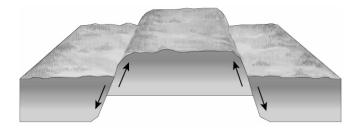
21. Label the faults below as either normal or reverse. Also, label the hanging wall and the footwall where applicable (5pts).



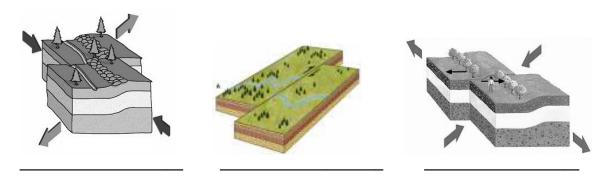
22. What kind of fault is depicted in the picture below?



23. Label the horsts and grabens found in the picture below (3pts).



- 24. _____ faults are reverse faults with dip angles less than 30° from horizontal.
- 25. Examine the pictures below. Correctly label them as right-lateral or left-lateral strike-slip faults (3pts).



- 26. What is the relationship between strike and dip (5pts)?
- 27. Explain why most of the great mountain chains of the world result from compressional stress (5pts).
- 28. Why are anticlines such good traps for petroleum (5pts)?
- 29. How are geologic structures related to Plate Tectonics (5pts)?