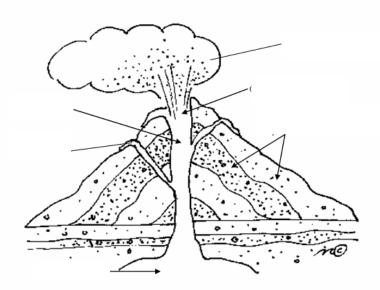
hysical Geology outh Sevier High School			Date		
ectur	e Notes – Chapter 4	68	Per		
1.	What role has volcanoes played a. The atmosphere (5pts):	d in the formation of	f:		
	b. The hydrosphere (5pts):				
2.	Where do most volcanoes occu	r on the Earth (5pt	s)?		
3.	Molten rock that is underground reaches the Earth's surface.	l is called	, but beco	omes	when it
4.	Explosive eruptions can produc range in size from the smallest				
5.	Calm oozing of magma out of the	ne ground produce	s lava	<u>_</u> .	
6.	Pyroclastics and lava flows form	າ	igneous rocks.		
7.	Lava flows and pyroclasts pile u	ıp to form			
8.	Name three good things that co	me from volcanoe	s (3pts).		
	a. b. c.				
9.	Name three bad things that resu a. b. c.	ult from volcanoes	(3pts).		
10.	The violence of a volcanic erupt magma, and the				_ in the
11.	Circle the correct terms that wo	uld make for a viol	ently explosive volca	ano (3pts).	
	High Silica Cooler magma Low dissolved gases				
12.	High silica extrusive rock tend to be in color.	o be	in color, whereas lo	ow silica extrusive r	ocks tend to
13.	Obsidian is sometimes called vo	olcanic class. Obs	idian forms from lav	as that cool very _	
14.	Extrusive igneous rocks that ha	ve larger crystals i	n a matrix of much f	iner crystals or glas	ss are called
15.	Some extrusive igneous rocks v cooling lava. These rocks are s example.				

16. Label the parts of the volcano x-section below using the following words (6pts):

Magma Chamber Ash Cloud Side Vent Main Vent Crater Pyroclastic Layers



17. Compare and contrast the three different types of volcanoes (9pts).

Volcano Type	Description	Composition	Examples
Shield			
Composite			
Cinder Cone			

- 18. _____ eruptions occur when very fluid lava (basalt) is extruded onto the Earth's surface in very large quantities, creating lava plateaus. Such eruptions correspond to a mass extinction event, 250 million years ago that wiped out some 90% of all living things.
- 19. The largest volcano in the solar system is on the Planet _____ and is called Olympus Mons. This volcano is larger than the State of Arizona, and three times higher than Mount Everest.
- 20. One of Jupiter's moons called _____ is the most volcanically active body in the solar system.
- 21. Review how texture is related to cooling history (5pts).

22. How are volcanic cones related to the viscosity of the lavas that produce them (5pts)?