Name	Class	Date
Skills Worksheet		
Directed Rea	ading A	
Directou ite	ading / t	
Section: Volcanic E	ruptions	
1. Volcanic eruptions can l	pe	times stronger than the
explosion produced by t 2. What is <i>magma</i> ?	he first atomic bom	b.
3. Magma that flows onto		s called
4. A vent or fissure in the l		ugh which magma and gases are
expelled is a		
NONEXPLOSIVE ERUPTION	ONS	
a. Violent explosb. Tons of rock of	sions can occur. can be blasted into t s of lava can be rele	
6. The most common type	of volcanic eruption	1 is
7. Much of the sea floor is	covered with	from
nonexplosive eruptions.		
EXPLOSIVE E RUPTIONS		
volcanic eruption a. calm lava flow	n? vs n, and gas shooting i	xpect to see during an explosive into the air
9. In a volcanic eruption, n	nolten rock is blown	n into dust-sized particles called.
10.During an explosive erup	otion, where do larg	er pieces of debris fall?
11. How quickly can an exp	losive eruption dem	nolish a mountainside?

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Directed Reading A continued	
HAT IS INSIDE A VOLCANO?	
·	molten rock that feeds a volcano is a(n)
a. vent.	c. lava chamber.
b. magma chamber.	d. ash chamber.
13. An opening in the Earth's passes is a(n)	surface through which volcanic material
a. vent.	c. lava chamber.
b. magma chamber.	d. ash chamber.
. What about magma affects how e	
C	
Why is magma with high water ceruption?	content more likely to cause an explosive
5. The solid form of lava that is so t	frothy with gas when it reaches the surface
	frothy with gas when it reaches the surface
called	_·
called	
called What are two reasons that magm	_·
called What are two reasons that magm	_·
called What are two reasons that magm	_·
called What are two reasons that magm	_·
called What are two reasons that magm explosive eruptions?	_·
called	a with a high silica content tend to cause ss likely to cause explosive eruptions?
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Name Class	Date
Directed Reading A continued	
21. What type of material is produced by nonexplosiv	e eruptions?
22. What type of material is produced by explosive er	uptions?
23. What is the difference between the flow of lava w flow of lava with low viscosity?	ith high viscosity and the
Match the correct description with the correct term. W provided.	rite the letter in the space
24. pours out quickly and forms a brittle, jagged crust	a. pahoehoe lavab. aa lava
25. flows slowly, has a glassy surface and rounded wrinkles	c. pillow lava
26. forms underwater in rounded lumps	d. blocky lava
27. cool, stiff lava that forms jumbled heals close to the erupting vents	
Match the correct description with the correct term. We provided.	rite the letter in the space
28. large blobs of magma that harden in the air	a. volcanic blocks
29. solid rock erupted from a volcano	b. volcanic bombsc. lapilli
30. pebblelike bits of magma that harden before they hit the ground	d. volcanic ash
31. gases in stiff magma expand rapidly, forming glasslike slivers	
32. When large amounts of hot ash, dust and gases are result is a dangerous type of volcanic flow called	e ejected from a volcano, the
33. Pyroclastic materials can race downhill at speeds	of more than
34. The temperature at the center of a pyroclastic flow	can exceed