

Name: _____

Period: _____

IGNEOUS ROCKS

1. An igneous rock is a rock that has formed from the _____ and _____ of magma or lava.
2. What is **magma**? _____
3. What is **lava**? _____
4. How are igneous rocks classified? _____
5. What is an **intrusive** igneous rock?

6. What is an **extrusive** igneous rock?

7. Name four **intrusive igneous rocks** found on page 6 of the ESRT.

8. Name four **extrusive igneous rocks** found on page 6 of the ESRT.

9. What do all intrusive igneous rocks have in common? Explain why.

10. What is the texture of igneous rocks with crystals larger than 10mm? _____
11. What is the texture of igneous rocks with crystals between 1 and 10mm? _____
12. What does "non-vesicular" mean?

13. What is another word that means intrusive (look at the ESRT)? _____
14. What do all extrusive igneous rocks have in common? Explain why.

15. What is the texture of igneous rocks with crystals smaller than 1mm? _____

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16. What is the texture of igneous rocks that have no crystals? _____
17. What does "vesicular" mean? Why do you think some extrusive rocks are vesicular?

18. What is another word that means extrusive (look at the ESRT)? _____
19. Name one light-colored igneous rock: _____
20. Name one dark-colored igneous rock: _____
21. Name one medium-colored igneous rock: _____
22. Name one high-density igneous rock: _____
23. Name one low-density igneous rock: _____
24. Name one medium-density igneous rock: _____
25. What does felsic mean? _____
26. Name one felsic igneous rock? _____
27. What does mafic mean? _____
28. Name one mafic igneous rock? _____
29. List all the minerals that may appear in a sample of granite.

30. List all the minerals that may appear in a sample of andesite.

31. List all the minerals that may appear in a sample of basalt.

32. What does it mean if a rock is monomineralic? Which igneous rock is monomineralic?

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IGNEOUS IDENTIFICATION LAB

Use the images provided along with your ESRTs to identify the samples 1-17 below

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____