Chapter 5 Igneous Rock YSBAT

1. How are magmas classified?

2. What are the most common elements in the earth's crust?

3. What are the two most abundant elements **and** what structure do they form?

4. Why are igneous rocks commonly used for building material?

5. How are igneous rocks classified?

6. How do pegmatites form?

7. What happens to the melting point of igneous rocks if the water content of that rock decreases?

8. What is an igneous intrusion?

9. Describe an extrusive igneous rock in terms of its texture.

10. Describe an intrusive igneous rock in terms of its texture.

11. Define Bowen's Reaction Series.

12. Define basaltic

13. Define rhyolitic

14. Define magma

15. Define lava

16. Define kimberlite

17. Define pegmatite

18. Define fractional crystallization

19. Define partial melting

20. Why are igneous rocks usually strong?

21. Define ultramafic

22. Define mafic

23. Define intermediate

24. Define felsic

25. If an igneous rock has crystals large enough to see, explain how this occurred. What texture do these igneous rocks have?

26. Thoroughly describe the discontinuous branch. Include all minerals involved.

27. Thoroughly describe the continuous branch. Include all minerals involved.