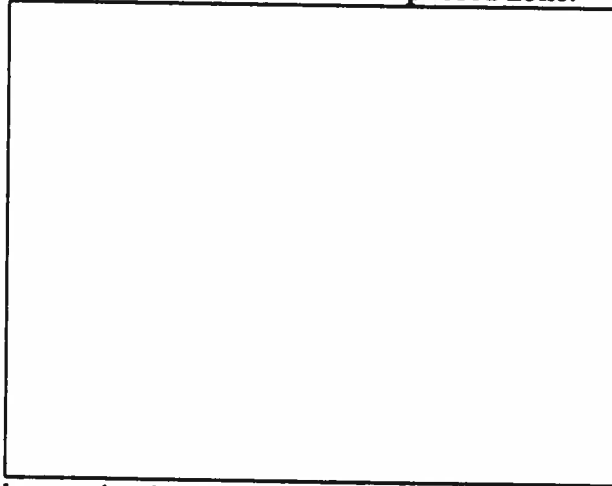


What are Igneous Rocks? pp 156 -157

Define the following terms;

1. Igneous Rock:
2. Magma:
3. Lava:
4. Intrusive:
5. Extrusive:
6. Granite:
7. Contact:
8. Country rock:
9. Xenoliths:
10. Chill zone(chilled margin):
11. Baked zone;
12. Using a diagram (fig 6.2) label the following country rock, chill zone, xenoliths, intrusive rock, contact and metamorphosed zone.



13. Why have scientists been unable to make artificial granite in the laboratory?

Igneous Rock Textures p157

14. Describe the texture of fine-grained rocks.

15. Why do rocks that cool on the surface have small grains?

16. Describe the texture of coarse-grained rocks.

17. What are **plutonic** rocks?

18. Describe the texture of a **porphyritic** rock.

19. What causes the texture of a porphyritic rock?

How are Igneous Rocks Classified? pp 157 -161

20. By what two properties are igneous rocks classified?

21. Fill in the rock types in the chart below using fig 6.4

Texture/Composition	<i>Felsic(silicic)</i>	<i>Intermediate</i>	<i>Mafic</i>	<i>Ultra-mafic</i>
Coarse-grained				
Fine-grained				

22. What is a pegmatite? p 160

23. What causes the texture of a pegmatite?

24. What are some of the economic uses of pegmatite?

25. What is the difference between mafic and felsic rocks?