Name	Date	
	Rocks and the Reference Tables	
	ck identification charts on pages 6-7 of the Earth Science Reference following questions.	e <i>Tables</i> to
Scheme fo	or Igneous Rock Identification	
1.	What are some textures of extrusive igneous rocks?	
2.	Explain the difference in grain size between Intrusive and extrusive	e rocks?
3.	Describe how scoria is different from basalt?	
4. Name	e of the composition of a rock that is high in iron and magnesium?	
5. Desc	ribe the texture and environment of formation of granite.	
6. List	the minerals in basalt with their approximate percent composition.	
7. Whi	ch minerals are only present in felsic rocks?	
8. Whic	th minerals are only present in mafic rocks?	<u> </u>

9. Describe the mineral composition of andesite?

11. Compar	e the density of m	nafic and fel	lsic igneous rock	S.	
	nge in mineral con st potassium felds			nite. Include	3 examples,
Mineral	Potassium feldspar	Quartz	Plagioclase feldspar	Biotite	Amphib
Granite A	75%				
Granite B					
	he mineral compo	osition of gra	anite tell you abo	ut the compo	sition of rock
What does to	he mineral compo				
What does to	average mineral	composition		ro, and perido	otite.
14. Give the		composition	n of diorite, gabbi	ro, and perido	
What does to	average mineral	composition	n of diorite, gabbi	ro, and perido	otite.
What does to the Rock	average mineral	composition	n of diorite, gabbi	ro, and perido	otite.

Name Date	
Rocks and the Reference Tables	
Use the rock identification charts on pages 6-7 of the <i>Earth Science Reference Tables</i> answer the following questions	s to
Scheme for Sedimentary Rock Identification	
15. Name the three major groups of sedimentary rocks (refer to their textures).	
16. Describe the differences in how these groups of rocks formed.	
<del></del>	
17. Explain the term clastic.	
18. What is the particle size range for sand?	
19. What mineral is Rock Salt made of?	
20. Which two rocks are composed of the remains of living things?	
21. Compare the mineral composition of clastic rocks with crystalline or	
bioclastic rocks?	
22. Explain a difference between conglomerate and breccia?	

23. Explain how the grain size of clastic rocks indicates the water velocity or the energy of the depositional environment?

## **Scheme for Metamorphic Rock Identification**

24.	Explain the difference between foliated and nonfoliated textures.
 25.	What mineral can be found in Slate and Schist, but not in Gneiss?
26.	What rock does slate form from?
27.	If slate is subjected to continued heat and pressure, what rocks will form?
28.	What sedimentary rocks do marble and quartzite originate from?
 29.	Which metamorphic rocks form from regional or contact metamorphism?
30.	What two minerals are common in both Gneiss and Granite?
31.	Which mineral is found in both Marble and Limestone?
Ro	ck Cycle In Earth's Crust
32.	Describe the process how sediment becomes sedimentary rock.
33.	Explain how a sedimentary rock can become an igneous rock.
34.	Explain how Granite can become a Sandstone which turns into Quartzite.