	Date Per
You don't need to memorize information about rocks and minerals, if you have the Reference Tables, and if you know how to read and use this document.	II. Particle Sizes (Page 6)7. How does silt differ from clay?
 I. The Rock Cycle (Page 6) 1. What name is applied to weathered particles of rock that accumulate at the surface of the 	8. What is the largest size (diameter) of particles that can be classified as grains of sand?
Earth?2. What <i>three</i> processes make sediments?	9. What other rock type has the same composition as gabbro?
3. Igneous rock <i>cannot</i> change directly into	10. How large are the crystals in granite?
without becoming another rock material first. 4. What kind of rock can change to another form of the same rock group without going through any other rock material shown in the boxes? (Which box can change directly back to itself?)	 11. What five minerals are commonly found in basalt? 12. If diorite were made of much smaller crystals, it would be classified as
Igneous rock can be changed directly into three other materials as shown in this diagram. Weathering, erosion and deposition make Heating and melting makes Burial with heat and pressure makes	 13. How do extrusive rocks differ from intrusive rocks? 14. What is the color of rhyolite? 15. What is the approximate percentage of plagioclase in diorite?
. Why are these processes called a cycle?	16. Name one coarse grained, felsic rock.
Rocks of the Reference Tables Page 1	Continue on to page 2. © TMG Thu, Nov 12, 1998

Unit 2 Rocks of the Reference Tables Name _____

		26. Which two metamorphic rocks are composed of
17.	What word is used to	the largest crystals?
	describe the grain	
	size in pumice?	
18.	What two common igneous minerals are <i>not</i>	27. Which metamorphic
	found in basalt?	rock is monomineralic?
		(That is, it generally contains only one mineral)
		28. What rock is slate made from?
19.	What igneous rock contains	
	exceptionally large crystals?	29. Marble is made from
	(See the note at the bottom of the chart.)	
		VI. Chemical Composition of Rocks (Page 11)
IV.	Sedimentary Rocks and Sediment (Page 7)	(The crust is the bedrock portion of the Earth near
		the surface. The composition of rocks deep in the
20.	What sedimentary rock is	Earth is not the same as rocks within the crust.)
	represented by this symbol?	
		30. By mass, the two most common elements in the
		Earth's crust are
21.	What sedimentary rock	
- - •	is composed of clay?	
		31. What group of minerals is
22.	How does breccia differe from conglomerate?	rich in these two elements?
		(This answer is not found directly in the Tables.)
		32. What element is common in
23.	In what two ways is limestone made?	rocks, in air, and in water?
	•	
		33. Why is silicon the second most abundant element
		by mass, but back in fifth place by volume?

24.	What clastic rock contains	
greatest range	particles with the	
	greatest range of sizes?	2.4 What are the chamical armshale for
		34. What are the chemical symbols for
v	Metamorphic Rocks (Page 7)	Silicon Oxygen
٧.	(rage /)	
25.	What mineral family is found	Iron Potassium
	in schist, geniss and slate?	- Company of the Comp
		The End

Page 2

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Rocks of the Reference Tables

Thu, Nov 12, 1998