

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ PERIOD: \_\_\_\_\_

## **ROCKS AND MINERALS** **CHAPTER 3 ESRT PRACTICE**

For questions 1–5, please refer to page 16 of the ESRTs.

1. What is the hardness of Amphiboles?	
2. Which four nonmetallic minerals have fracture?	a. b. c. d.
3. What is Muscovite Mica used for?	
4. What is the chemical composition of dolomite?	
5. Which mineral has a metallic luster and a hardness of 5.5?	

For questions 6–10, please refer to the Igneous rock chart on page 6.

6. What is the texture of Scoria?	
7. Which four igneous rocks are non-crystalline?	a. b. c. d.
8. Which is the only monominerallic rock on the chart?	
9. What minerals may appear in a sample of Pumice?	
10. What is the grain size of Rhyolite? What is its environment of formation?	

For questions 11–15, please refer to the Sedimentary rock chart on page 7, or the particle size chart on page 6.

11. What is the name and size of the particles that make up Shale?	
12. Which bioclastic rock is composed of Calcite?	

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13. What are the six particle sizes?	a. b. c. d. e. f.
14. What is the texture and composition of Dolostone?	
15. Which clastic rock contains particles of all different sizes?	

For questions 16–20, please refer to the Metamorphic rock chart on page 7.

16. What minerals make up Phyllite?	
17. Which nonfoliated rock forms through contact metamorphism?	
18. What rocks could Marble have been before being metamorphosized	
19. What rock displays banding?	
20. What rock is formed when quartz sandstone undergoes a metamorphism?	

For questions 21–25, please refer to ESRTs.

21. What is the percent by mass of Silicon in the crust?	
22. Which element makes up most of the troposphere?	
23. In the rock cycle, what 3 things can happen to a sedimentary rock?	
24. What is the smallest particle size?	
25. What is the main difference between Obsidian and Pumice?	