Clark-Pohlod
Earth Science

Name _____
Date _____ Class Period _____

Unit 4: Rock Forming Processes
Learning Targets Guide

Self Evaluation			Learning Targets	Date
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.p1A:** I can explain the origin of Michigan landforms. Describe and identify surface features using maps and satellite images.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.p1B:** I can explain how physical and chemical weathering leads to erosion and the formation of soils and sediments.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.p1C:** I can describe how coastal features are formed by wave erosion and deposition.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.p2A:** I can identify common rock-forming minerals (quartz, feldspar, biotite, calcite, hornblende).	
Example or Explain:				

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I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.p2B:** I can identify common igneous (granite, basalt, andesite, obsidian, pumice), metamorphic (schist, gneiss, marble, slate, quartzite), and sedimentary (sandstone, limestone, shale, conglomerate) rocks and describe the process that change one kind of rock to another.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.1A:** I can discriminate between igneous, metamorphic, and sedimentary rocks and describe the process that change one kind of rock into another.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.1B:** I can explain the relationship between the rock cycle and plate tectonics theory in regard to the origins of igneous, sedimentary, and metamorphic rocks.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.1c:** I can explain how the size and shape of grains in a sedimentary rock indicate the environment of formation (including climate) and deposition.	
Example or Explain:				

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I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.1d:** I can explain how crystal sizes of igneous rocks indicate the rate of cooling and whether the rock is extrusive or intrusive.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E3.1e:** I can explain how the texture (foliated, nonfoliated) of metamorphic rock can indicate whether it has experienced regional or contact metamorphism.	
Example or Explain:				
UNIT NOTES AND COMMENTS:				