Clark-Pohlod
Earth Science

Name _____
Date _____ Class Period _____

Unit 5: Discerning Earth History
Learning Targets Guide

Self Evaluation			Learning Targets	Date
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3B:** I can describe the process of radioactive decay and explain how radioactive elements are used to date the rocks that contain them.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3C:** I can relate major events in the history of the Earth to the geologic time scale, including formation of the Earth, formation of an oxygen atmosphere, rise of life, Cretaceous-Tertiary (K-t) and Permian extinctions, and Pleistocene ice age.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3D:** I can describe how index fossils can be used to determine time sequence.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3e:** I can determine the approximate age of a sample, when given the half-life of a radioactive substance (in graph or tabular form) along with the ratio of daughter to parent substances present in the sample.	
Example or Explain:				

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I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3f:** I can explain why C-14 can be used to date a 40,000 year old tree but U-Pb cannot.	
Example or Explain:				
I've got it! ☐	I've sort of got it. ☐	I don't get it. ☐	**E5.3g:** I can identify a sequence of geologic events using relative-age dating principles.	
Example or Explain:				
UNIT NOTES AND COMMENTS:				