

Name: _____

Date: _____ Per.: _____



Crayon Rock Cycle Lab: Questions/Conclusions

Grading Criteria

Exemplary	Proficient	In-Progress
Meets all proficient criteria plus <ul style="list-style-type: none">13 of 14 question are answered correctly	<ul style="list-style-type: none">Answers all questionsAll questions are answered using complete sentencesMinimum of 10 questions are answered using correct science terms	<ul style="list-style-type: none">13 of 14 question are answered correctlyMeets fewer than 3 of the proficient criteria <p style="text-align: center;">More Work Is Needed</p> <ul style="list-style-type: none">CORRECT your answers, using a different colored ink, and resubmit for a re-grade.

Questions to be answered DURING the lab

1. Crayons are made from melted, cooled wax. If the crayons were rocks, which of the three types of rock (igneous, metamorphic, and sedimentary) would they be?
2. What do the wax shavings from the crayon “rocks” represent?
3. You moving the crayons to the foil and piling them in layers represents what two processes?
4. Record your observations of the rock after step 6.
5. What type of rock have you created a model of?
6. Record your observations of the rock after step 9.

7. What type of rock have you created a model of?

8. What does the melted crayon wax represent?

9. What type of rock have you created a model of?

Questions to be answered AFTER you finish the lab

10. Did scraping wax off the crayons with the knife model mechanical weathering or chemical weathering? Why? Give the **specific** type of weathering this modeled.

11. Was the sedimentary rock you created clastic, chemical, or organic? Why?

12. Did standing on the rock represent contact metamorphism or regional metamorphism? Why?

13. Was your metamorphic rock foliated or nonfoliated? Why?

14. Was the igneous rock you created intrusive or extrusive? Why?