

Task Card List

1. Every rock has a story. Write a story from the perspective of a rock. Your story must have a beginning, middle and an ending. Describe what you have seen over time and how you have changed.
2. A rock scale helps to classify the hardness of rocks on a level from one, being the softest types and 10 being the hardest types. How many reasons can you think of for knowing the hardness of rocks?
3. Find out all the things that we use minerals for. Use resources like books and reputable online sites. Decide which types of things you use minerals the most for.
4. Make a list of all the ways that you could classify rocks and minerals. Think of their properties as you determine the many ways to classify them.
5. Look around you. What are all the things that are made of rocks and minerals. Remember to consider the various locations in your community as well.
6. If there were no rocks and minerals in our world, what would the impact on humans be? Identify at least 4 areas that would be impacted and explain why.
7. You have been hired to collect rocks for a research company. Design a box to collect and label your rocks in and list all the place that you might go to hunt for various rocks.
8. Compare the life cycle of an animal with the rock cycle. Refer to the stages of each cycle. Compare and contrast the two cycles.
9. Write your own definition of a rock and write your own definition of a mineral. Explain what is similar and what is different about rocks and minerals.
10. Geology is the study of the history of the Earth. To study the history of the earth, geologists will study rocks. Explain if this is a job you would like to do one day and explain your reasons.
11. Write about your life starting as some molten lava from the center of the earth. Explain your travels through the rock cycle using descriptive language. Explain how the weathering processes helped you along the way.
12. Long ago, many early men used rocks as tools or as weapons. Explain how this might have been done so long ago. Provide some examples of what they may have looked like.
13. Many types of rocks are mined for the minerals they contain. Research where rocks are mined and what they are mined for.
14. In your own words, explain how rock is formed from heat and pressure. Refer to the sources of pressure and the sources of heat.
15. Write a persuasive letter to your teacher or principal to take a trip to a rock quarry. Your letter needs to have at least three reasons supported by some facts. Include an introduction, body and summary.
16. Research all the ways that sedimentary rocks are used for. For instance: Limestone is a sedimentary rock and one thing it is used for is to make cement.

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17. Decide what you think is the most important type of rock. You will also need to justify your answer with at least four facts and reasons for your selection.
18. A rock does not stay the same forever. Explain why a rock changes over thousands and thousands of years. Provide at least three facts in your answer.
19. Design a statue. Decide where the statue will go, what weather elements it will be exposed to and what type of rock you will use. Explain your choice of rock for the statue.
20. Pretend a geologist is coming to your classroom. You are allowed to ask the geologist 5 questions. What questions would you ask the geologist and why?
21. Explain why rocks are classified as non living instead of living. Compare and contrast a rock cycle with a life cycle.
22. Make a poster to clearly show how one type of rock turns into another type of rock. Include all the details and processes required over the thousands of years.
23. Explain how an earthquake, a tornado and a volcano changes rock formations on earth. Provide at least 2 examples for each force.
24. Explain why the presence of fossils in rocks help geologists to understand more about the history of the earth.