Rock Classifications

Question: How can we use characteristics of rocks to determine the rock type?

Materials: rock samples, triple beam balance, metric ruler, rock dichotomous key

Hypothesis: I think that the three different types of rocks will look similar/different because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Procedure:

1. Look at the rock samples on your desk.
2. Use the tools to make qualitative and quantitative observations. Fill the data into the chart.
3. Use the dichotomous key and your observations to determine what kind of rock each sample is.

Conclusion:

1. How are all three types of rocks similar? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. How are igneous rocks different from the other two types of rocks? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. What makes sedimentary rocks different from the other rocks you observed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_