

Las Rocas Nos Cuentan Su Historia worksheet (English).

Study the samples provided by your instructor. Complete each step as explained in the instructions. Answer discussion questions in your groups and be prepared to discuss and present your answers to the class.

Describe each sample in detail. Record descriptions in the table below. Use rulers, balances, hand lenses, and other materials to study and accurately describe the samples.

Individual samples	Description and key characteristics
1	
2	
3	
4	
5	
6	
7	
8	

Once you have described all the samples, group them according to similar characteristics. Record a general description for each group of samples in the table below.

Group of samples	Description and key characteristics

Divide each group of samples into two subgroups based on their unique characteristics. Use the table below to record the descriptions of the newly formed subgroups.

Group	Characteristics of subgroup 1	Characteristics of subgroup 2

Discussion questions

1. What characteristics of the samples in the original groups did you use to form the subgroups?
2. What patterns and trends emerge from the data collected and recorded in all of the above tables?
3. Which group (or groups) of samples clearly stands out from the others?
 - a. What characteristics make this (these) group(s) stand out?
4. Form a hypothesis explaining how the samples in each group formed. Make sure that the evidence collected in this activity supports your hypothesis.
5. Revisit and study all the samples and organize them into two big groups: rocks and minerals.
 - a. Define each of these groups using your observations and data.
 - b. Explain the relationship between rocks and minerals.

Additional activities

6. Explain how the different rock types relate to each other. Prepare a diagram showing these relationships.
7. What processes transform one rock type to another? Label and explain these processes in the diagram.
8. In what environments did the rock samples form? (**Hint:** Think about places and conditions ideal for the formation of rocks with characteristics similar to the ones studied in this activity.)
9. Organize your ideas about the environments of rock formation in the table below.

Rock type	How did the samples form?	Where did the samples form? (environments of formation)	Key evidence