

Rock Cycle Model



Procedure

1. **Observe** Use a hand lens to carefully examine each rock in your rock set. In the chart, record the properties for each rock.

Rock Sample	Properties
A	
B	
C	
D	
E	
F	

2. **Collaborate** Share your list with your group. Add properties to your list that other students identify.
3. **Classify** Use what you know about each rock type to classify each of the rocks in your set. Label each rock group.
4. **Use Models** Study the Rock Cycle diagram. The **rock cycle** is the continuous series of changes that rocks undergo. Then use rocks from your rock set and sand to make a model of the rock cycle. Place the rocks and sand on the Rock Cycle diagram in the correct places.
5. **Record Data** Your teacher will provide you with a key to the rocks in your set. Use the key to label your Rock Cycle diagram with the names of the rock samples you used.

Conclusion

1. Communicate How does your model represent the rock cycle?

2. Classify Classify basalt, shale, and slate by how they are formed.

Experiment

Collect rock specimens near your school and home. Carry out steps 1 through 2 using these rocks. Have another student classify each rock.

Guided Inquiry