

Rock Project Recovery

What are minerals? _____

Where do you think you could find minerals in nature? _____

What are the characteristics of a mineral? _____

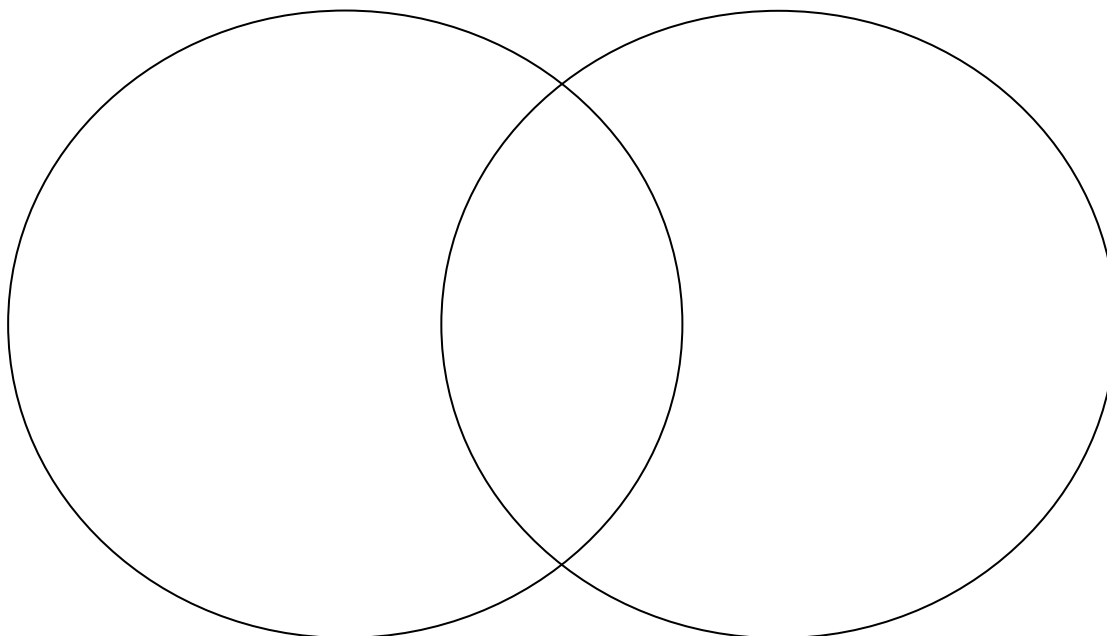
How are minerals identified? _____

What does it mean to say that a mineral has a definite crystalline structure? _____

How can you determine a mineral's density? _____

How would you test a mineral to determine its cleavage and fracture? _____

How are cleavage and fracture similar? How are they different? Use the Venn Diagram below



Describe how you can test a mineral to determine its hardness, density, and streak. _____

What is the major difference between an element and a compound? _____

According to the definition of a mineral, can water be classified as a mineral? Explain your answer. ____

What type of processes do you think are involved in the formation of a diamond? _____

What are the processes by which minerals form? _____

Under what conditions do large mineral crystals form? Describe how the cooling rate of magma affects the size of the mineral crystals formed. _____

Which minerals must be imported from other countries? _____

A miner finds a vein of silver. Describe a process that could have formed the vein. _____

Name five products that you use every day that contain minerals. _____

What is a gemstone? _____
_____ Why are gemstones
valuable? _____

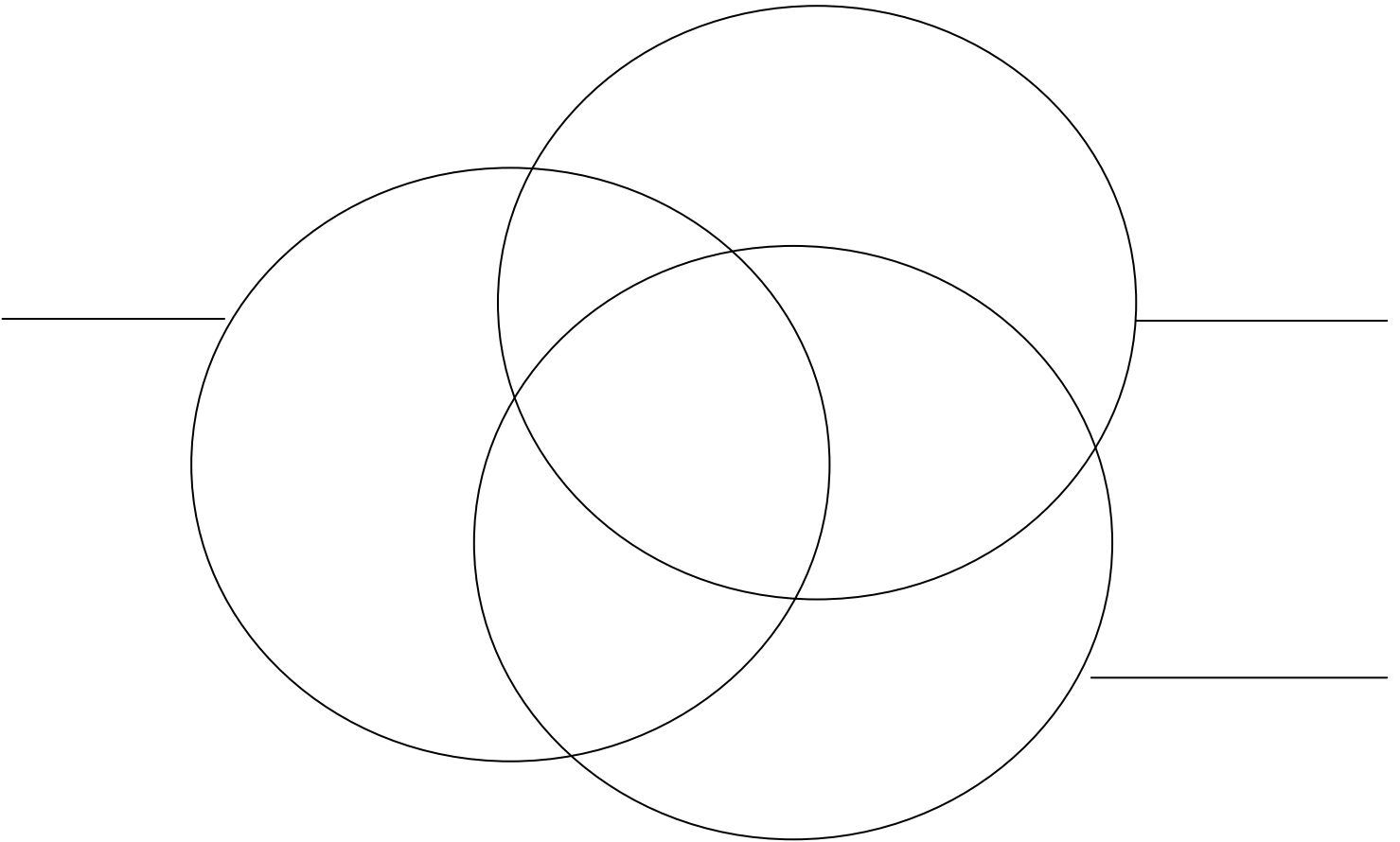
What is an ore? _____

What characteristics are used to identify rocks? _____

What is the texture of a rock? How do geologists use it? _____

What are some terms that describe a rock's texture? _____

What are the three different groups into which rocks are sorted? _____



What characteristics are used to classify igneous rocks? _____

What conditions cause the rock rhyolite to have a fine-grained texture? _____

Describe three ways in which igneous rocks differ. _____

What is the difference between intrusive and extrusive rocks? Give an example of each. _____

Why are some igneous rocks dark and other igneous rocks light? _____

How are basalt and granite different in their origin, texture, and mineral composition? How are they similar? _____

How do sedimentary rocks form? _____

What are the three major types of sedimentary rocks? Describe them:

1. _____

2. _____

3. _____

List in order and explain the processes that create sediment and then change it into sedimentary rock:

1. _____

2. _____

3. _____

4. _____

5. _____

What are two important organic sedimentary rocks? _____

Describe two ways in which limestone can form. _____

Under what conditions do metamorphic rocks form? _____

How do geologists classify metamorphic rocks? _____

What is a foliated rock? _____

What properties of a rock may change as the rock becomes metamorphic? _____

How can a rock change from one form to another? _____

Describe the processes by which each rock type can become one of the other two rock types:

1. _____
 - a. _____
 - b. _____

2. _____
 - a. _____
 - b. _____

3. _____
 - a. _____
 - b. _____

Illustrate the rock cycle:

