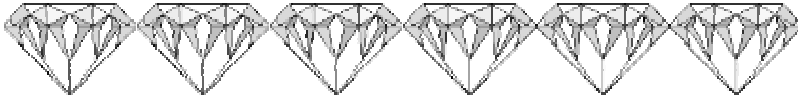


Name \_\_\_\_\_

# Minerals & Crystal Systems



**Before beginning to examine the slides, answer the following questions:**

- 1. Use a *dictionary* to define "system."

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- 2. Use the *microviewer introduction* to define "crystal."

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- 3. What are the shapes of crystals related to?

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- 4. Explain how crystals are formed.

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5. Draw and label the 7 crystal systems below:

**Directions:**

For each selection:

- 🕒 use a pencil to draw what you see in the slide
- 🕒 state the type of crystal system
- 🕒 list at least two properties of the mineral
- 🕒 use a dictionary to look up any word you don't know.

**1. CUBIC (ISOMETRIC) SYSTEM – HALITE**

<b>Drawing</b>	<b>Crystal System</b>	<b>Properties</b>

**2. HEXAGINAL SYSTEM – VANADINITE – left side QUARTZ – right side**

<b>Drawing</b>	<b>Crystal System</b>	<b>Properties</b>

**3. RHOMBOHEDRAL – CALCITE**

<b>Drawing</b>	<b>Crystal System</b>	<b>Properties</b>

**4. TETRAGONAL – CHALCOPYRITE**

<b>Drawing</b>	<b>Crystal System</b>	<b>Properties</b>

**5. MONOCLINIC – MUSCOVITE**

Drawing	Crystal System	Properties

**6. ORTHRHOMBIC – ARSENOPIRITE – left side AURICHALCITE – right side**

Drawing	Crystal System	Properties

**7. TRICLINIC – INESITE**

Drawing	Crystal System	Properties

