

**Mineral Properties Exercise** - Physical Geology Name \_\_\_\_\_

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Date \_\_\_\_\_

First match the specimens in the box with the pictures on the page.

1. Classify all the minerals in your box by listing the numbers (shown next to the photos) that are:

Metallic:

Nonmetallic:

2. Classify all the minerals in your box by listing the numbers (shown next to the photos) that are:

Cleavage in 1 direction (layers, basal flat plane):

Cleavage in 2 directions (top and bottom at right angles to front and back):

Cleavage in 3 directions (cubes):

Cleavage in 3 directions (rhombic):

Cleavage in 4 or more directions (octahedral, dodecahedral):

3. List at least one mineral that has a hardness of:

Less than 2:

Between 2 and 3:

About 3:

Between 3 and 5.5:

More than 6:

4. List one mineral that has a red brown streak, even though it is silvery colored:

5. List at least 2 minerals that have crystal shapes: