**MOST** minerals are \_\_\_\_\_\_\_\_\_ (a chemical combination of two or more elements), while \_\_\_\_\_\_\_\_\_\_\_\_ are mixtures of minerals and sometimes organic matter.

**CHARACTERISTICS** of minerals (explain each):

I – inorganic (never alive)

N-

S-

C- Compound (some are elements)

C-

8 Ways to **IDENTIFY**

 minerals:

1 –

2 – (not very reliable)

3 –

4 –

5 –

6 –

7 – (how it breaks)

8 –

1. Moh’s **Hardness** Scale (scratch):

>\_\_\_\_\_\_\_\_\_\_\_\_\_\_ softest

 mineral (1)

 >\_\_\_\_\_\_\_\_\_\_\_\_\_\_hardest

 mineral (10)

 (your fingernail=\_\_\_\_\_\_ and

 glass = \_\_\_\_\_\_\_\_\_)

 2 main types of **luster** (how the

 mineral reflects light):

 1 – (shiny)

 2 –

 (glassy/vitreous, dull, waxy)

How a mineral breaks:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ –smooth
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_--jagged

**SPECIAL** properties:

1 –fluorescence

2 –

3 –radioactive

4 –

5-malleable, smell, soapy, greasy

6 –

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**A rock is a mixture of**

 **\_\_\_\_\_\_\_\_\_\_\_**