NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PERIOD \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**HARDNESS WORKSHEET (85)**

**Mohs Hardness Scale**

1. Talc 6. Feldspar

2. Gypsum 7. Quartz

3. Calcite 8. Topaz

4. Fluorite 9. Corundum

5. Apatite 10. Diamond

**Field Hardness Kit**

Fingernail 2.5

Copper 3

Steel nail 5.5

Glass 6

**Examples:**

Mineral A is scratched by mineral B – mineral B is harder

A mineral can scratch itself

Diamonds can only be scratched by other Diamonds

Mineral C scratches mineral D – mineral C is harder

1. The mineral scratches glass. It is harder than \_\_\_\_\_\_\_\_\_\_\_\_.
2. A Diamond scratches the mineral. The hardness is between \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_.
3. Will Fluorite scratch glass? \_\_\_\_\_\_\_\_\_ How do you know?
4. Calcite is harder than the minerals Gypsum and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (name the mineral).
5. Corundum scratches how many minerals on Mohs Hardness Scale? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. If a mineral scratches a window its hardness is at least a \_\_\_\_\_\_\_\_\_\_\_\_\_.
7. Which mineral(s) below will scratch glass? Circle all minerals that are harder than glass.

Talc Fluorite Topaz Diamond Apatite Quartz

1. Talc scratches the mineral. What is the minerals hardness? \_\_\_\_\_\_\_\_\_\_\_\_\_
2. A steel nail scratches a mineral. The hardness of this mineral is less than \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Which mineral(s) on Mohs Hardness Scale will scratch a Diamond? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_