**Virtual Mineral Lab - 1**

[**http://www.wiley.com/college/strahler/0471669695/interactivities/flash/mineralogy/mineralogy.htm**](http://www.wiley.com/college/strahler/0471669695/interactivities/flash/mineralogy/mineralogy.htm)

1. Read the first paragraph.
2. Click on “Introduction to Rocks and Minerals”
3. Start at #1 and work your way to # 7.
4. **Color and Streak**



Streak color for Hematite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Streak color for Pyrite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Streak color for Galena - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Streak color for Olivine - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Luster**



Talc - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quartz - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pyrite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Cleavage**



Muscovite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Galena - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calcite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Fracture**



Quartz - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hematite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Crystal**



Quartz - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pyrite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Olivine - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Hardness**



Quartz - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Talc – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Feldspar – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hematite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calcite - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Specific Gravity**



Quartz 2.65 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Galena 7.4-7.6 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pyrite 4.9-5.2 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Go back to the main screen and click on “Virtual Minerals Drawer”. Complete the activity for each mineral.



Identification for mineral 1 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Identification for mineral 2 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 3 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 4- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 5- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 6- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 7- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 8- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identification for mineral 9 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_