

Name: \_\_\_\_\_

## Rocks & Minerals

Grades 6th &amp; Up

### Upper Level - Natural History

1. Find three igneous rocks.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

2. Name three sedimentary rocks.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

3. Name two kinds of metamorphic rocks.

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

4. List two kinds of agate or onyx.

1. \_\_\_\_\_ 2. \_\_\_\_\_

5. Galena crystals are \_\_\_\_\_ shaped.

6. Name two mineral ores on exhibit in the museum.

1. \_\_\_\_\_ 2. \_\_\_\_\_

7. What is the common name of halite? \_\_\_\_\_

8. Name two types of mica. 1. \_\_\_\_\_ 2. \_\_\_\_\_

9. What shape is one crystal face of a garnet crystal? \_\_\_\_\_

10. How much does the Museum's largest quartz crystal weigh? \_\_\_\_\_

11. Quartz can be many colors. Name two. 1. \_\_\_\_\_ 2. \_\_\_\_\_

12. What mineral forms large crystal formations called "Dog Tooth"? \_\_\_\_\_

13. Stalagmites and stalactites belong to which mineral classification? \_\_\_\_\_

14. Which mineral sometimes forms reddish-brown crystals which look like petrified roses?

\_\_\_\_\_

15. Gypsum is a mineral common to this region. Its color is usually \_\_\_\_\_ or

\_\_\_\_\_.

16. Name two minerals found in the Nebraska Rocks and Minerals exhibit case.

1. \_\_\_\_\_ 2. \_\_\_\_\_

## Answer Key

1. Igneous rocks: Many choices which may include: Basalt, granite, several lavas, pumice, rhyolite, obsidians, others.
2. Sedimentary rocks: Many choices which may include sandstones, concretions, limestones, shales, others.
3. Metamorphic rocks: Most common choices -- slate (in the sedimentary cases as they originate as sedimentary shales; marble (originally limestone or dolomites - see in Carbonates/calcites case).
4. There are about 40 choices -- see agate/onyx cases.
5. Galena crystals are cubic.
6. Mineral ores may include copper, iron, gold, silver, others.
7. Halite is salt.
8. Micas are biotite and muscovite.
9. Commonly diamond or square faces -- some forms are 5-sided.
10. Quartz crystal weighs 35 pounds.
11. Quartz colors may include rose, green, purple (amethyst), clear or colorless, white, shades of tan to brown, sometimes others.
12. Dog Tooth mineral is calcite.
13. Carbonates/calcites.
14. Barite roses are labeled as such; there is also a similar form of selenite.
15. Gypsum colors may include gray or grayish white. May also be almost transparent.
16. Nebraska rocks/minerals may include selenite, gypsum, calcite, red ocher, limestones, dendritic opal, calcites, clays, quartzite, pyrite, barite, chalcedony, flint, conglomerates, others.