

Minerology 4 Kids- Notes

Mineral Groups: Use the website to complete these notes.

Minerals are classified according to _____. There are _____ major chemical groups.

1. **Native Elements:** are composed of _____ of a _____ element.
 - a. Three example of native elements are: _____,

2. **Halides:** These contain the elements: _____, _____, _____,
_____ that combine with one or more _____.
 - a. Minerals of the halide group have:
 - i. _____ hardness
 - ii. _____ to _____ melting points
 - iii. _____ conductors of _____ and _____
 - b. Three example of halide minerals are:
 - i. _____ formula = _____
 - ii. _____ formula = _____
 - iii. _____ formula = _____

3. **Sulfides:** These are made up of metal _____ (+2) combined with _____.
 - a. Most of these minerals transmit light, or are _____.
 - b. They have distinctive colors and colored _____.
 - c. Three example of sulfide minerals are:
 - i. _____ formula = _____
 - ii. _____ formula = _____
 - iii. _____ formula = _____

4. **Carbonates:** These are composed of the _____ ion CO_3 and _____ cations.
 - a. There are three main groups: _____, _____, _____
 - b. Three example of carbonate minerals are:
 - i. _____ formula = _____
 - ii. _____ formula = _____
 - iii. _____ formula = _____

5. **Sulfates:** The basic unit is the _____ group. These combine with _____.
- a. There are two main groups: _____ and _____.
 - b. Three example of sulfate minerals are:
 - i. _____ formula = _____
 - ii. _____ formula = _____
 - iii. _____ formula = _____

6. **Oxides:** these minerals consist of _____ combined with one or more _____.
- a. Three example of oxide minerals are:
 - i. _____ formula = _____
 - ii. _____ formula = _____
 - iii. _____ formula = _____

7. **Silicates:** these are considers the _____ of all the mineral classes.
- a. List any 5 facts about silicates:
 - i. _____
 - ii. _____
 - iii. _____
 - iv. _____
 - v. _____
 - b. There are 6 classes of silicates, list each plus one mineral with the formula:
 - i. _____ ex: _____
 - ii. _____ ex: _____
 - iii. _____ ex: _____
 - iv. _____ ex: _____
 - v. _____ ex: _____
 - vi. _____ ex: _____