

## Minerals II - Structure

-Each element is made of only \_\_\_\_\_.

-An atom is the smallest part of an element that has all the properties of that element

So, the element hydrogen is only made up of \_\_\_\_\_ atoms and gold is only made up of \_\_\_\_\_ atoms.

-Minerals are made up of one or more elements

-A **compound** is made up of two or more elements that have been bonded together

-The elements \_\_\_\_\_ and \_\_\_\_\_ are the most common elements in the earth's crust.

-The most common elements are found in \_\_\_\_\_ of the crust

- These two elements combine with other elements such as aluminum, iron, magnesium and potassium to make up minerals.

-Minerals are divided into two classes based on their elemental composition.

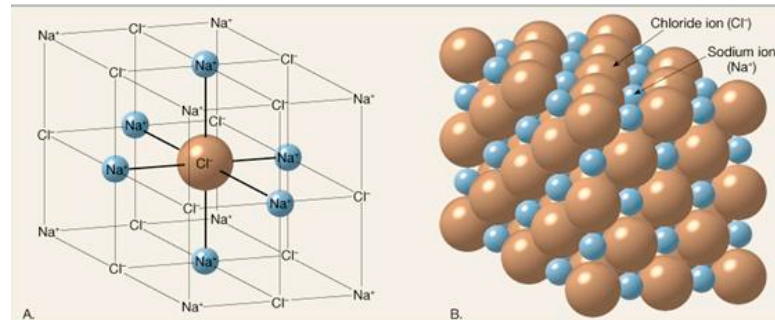
Those which contain Si and O are called \_\_\_\_\_.

\_\_\_\_\_, don't contain the most abundant elements.



Halite is a mineral commonly known as \_\_\_\_\_.

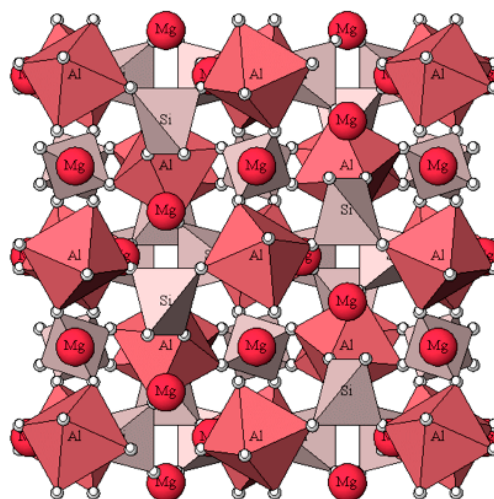
The chemical formula is \_\_\_\_\_.





Pyrope is a Mineral classified as a \_\_\_\_\_.

The chemical formula is  $\text{Mg}_3\text{Al}_2(\text{SiO}_4)_3$



-Some minerals such as gold and silver, are composed of only one element

-Minerals made of only one element are known as \_\_\_\_\_

| Silicate Minerals | Nonsilicate Minerals |
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