

Minerals : Quiz 2-60

Use the Common Minerals Table.

- 1) What is a mineral?
- 2) Give five properties of minerals.
- 3) Are all minerals crystals?
- 4) What is the hardness of copper?
- 5) What is the specific gravity of pyrite?
- 6) Give the chemical formula for bornite.
- 7) Name a mineral which has water in it.
- 8) Is limonite harder than fluorite?
- 9) Give a use for the following minerals.

Mineral

Use

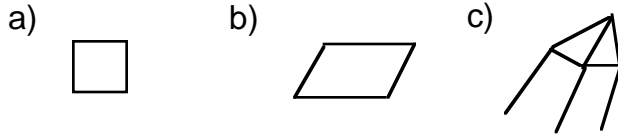
bauxite
graphite
gypsum
kaolinite
halite

- 10) What mineral property should an abrasive have?
- 11) What is an ore?
- 12) Stephanite has the chemical formula; Ag_5SbS_4 . It is an ore for what metal?
- 13) If a mineral is magnetic, what element does it contain?
- 14) Which non-silicate mineral is used as a source of Ca and Mg in fertilizers?

15) Which two elements are found in all silicates?

16) Which element other than Si and O is found in dark silicates?

17) Name a mineral with the following crystal structure.



18) What does the shape of a crystal tell you?

Answers : 1) It is a substance composed of one or more types of atoms arranged to form a crystalline solid., 2) color, streak, luster, crystal shape, cleavage, hardness, density, chemical composition., 3) yes, 4) 2.8, 5) 5.0, 6) Cu_5FeS_4 , 7) gypsum, borax, 8) yes, 9) ore of aluminum, pencil leads, wallboard or plaster, porcelain, we eat it, 10) hard, 11) It is a mineral that contains a metal., 12) silver, 13) iron, 14) dolomite, 15) oxygen and silicon, 16) iron, 17)a) halite, b) calcite, c) quartz, 18) It tells the way the atoms are arranged in the crystal.