

Minerals : W.S.-40

1) Name the metal that is found in the following ore minerals.

- | | | | |
|----------------|-------|---------------|-------|
| a) galena | _____ | b) sphalerite | _____ |
| c) cassiterite | _____ | d) hematite | _____ |
| e) magnetite | _____ | f) bauxite | _____ |

2) Name the mineral :

- a) It is found in pennies. _____
- b) Chalk contains CaCO_3 . Name this mineral. _____
- c) It is found in plaster or wallboard. _____
- d) This mineral is common table salt. _____
- e) This mineral can be a magnet. _____
- f) This silicate is green like olives. _____
- g) This mineral is used as a fertilizer because it is a source of phosphorus (or phosphates). _____
- h) This non-silicate mineral is used as a source of magnesium and calcium in food supplements. _____
- i) This silicate is found in glass. _____
- j) This silicate is found in talcum powder. _____
- k) Graphite is used in pencils. Explain why. Give two reasons.
_____ .
- l) Some soft minerals are formed at the bottom of lakes or seas that have evaporated. These are often hydrated. (contain water). Name two of these minerals. _____ .

m) This mineral is called "fools gold". It is lustrous and yellow-orange like gold, but it is much harder. _____ .

Answers : 1)a) lead, b) zinc, c) tin, d) iron, e) iron, f) aluminum, 2)a) copper, b) calcite, c) gypsum, d) halite, e) magnetite, f) olivine, g) apatite, h) dolomite, i) quartz (and feldspar), j) talc, k) it is soft, its streak is black, l) borax, gypsum, m) pyrite.