

STATION 1

Which of these minerals are native elements ?

A, B, C, D, E

Which of these minerals contains copper (Cu) =?

A, B, C, D, E

Which of these minerals show crystal faces ?

A, B, C, D, E

Can you name them? A - _____

B - _____ C - _____

D - _____ E - _____

STATION 2

How many cleavage directions in each mineral ?

A - _____ Can you name the mineral ? _____

B - _____ Can you name the mineral ? _____

C - _____ Can you name the mineral ? _____

D - _____ Can you name the mineral ? _____

E - _____ Can you name the mineral ? _____

Which of these minerals are carbonate minerals ?

STATION 3 - NAME ME

A. I am a phosphate mineral on Moh's hardness scale. _____

B. I am black, soft and a native element. _____

C. I am a sulfate mineral and contain barium. _____

D. I am a green carbonate and contain copper. _____

E. I fracture conchoidally, have vitreous luster and form the basic building block for silicate minerals and I am on the Mohs Hardness scale _____

F. I'm an oxide of iron with a red streak. _____

G. I contain zinc and display metallic luster. _____

STATION 4

Which of these minerals is an ore of aluminum

A, B, C, D, E

Which of these minerals has metallic luster ?

A, B, C, D, E

Name each mineral

A - _____ D - _____

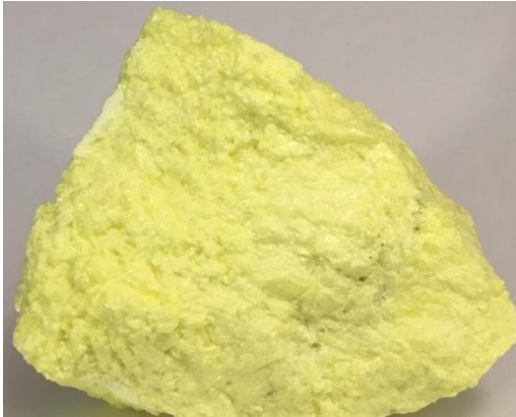
B - _____ E - _____

C - _____

Which of these minerals contain iron (Fe): A, B, C, D, E

STATION 1

A



B



C



D



E



STATION 2

A



B



C



D



E



Stations: Dec. 19 Set 1

STATION 4

A



B



C



D



E



Stations: Dec. 19 Set 1

Station Answers – December 19 Set 1

Station 1

- A. A and B
- B. B and E
- C. C and E

A is sulfur B is Native Copper
C is dolomite D is goethite
E is azurite

Station 2

A has 3 cleavages and is galena
B has 0 cleavages and is quartz
C has 1 cleavage and is biotite mica
D has 2 cleavages and is hornblende.
E has 3 cleavages and is calcite

Calcite is the only carbonate mineral
among these minerals.

Station 3

- A. Apatite
- B. Graphite
- C. Barite
- D. Malachite
- E. Quartz
- F. Hematite
- G. Sphalerite

Station 4

Only Specimen A contains aluminum.

B and E display metallic luster

A is bauxite

B is magnetite

C is calcite

D is apatite

E is pyrite

B (magnetite) and E (pyrite) contain iron