Identify the crystal system for each specimen and what you observed to help you determine it.

A:	
B:	
C:	
D:	
E:	
STATION 3 Three of these minerals all have the same chemical form Name them by letter and then by name.	ula.
Letter Name	
Letter Name	
Letter Name	
Identify the other two minerals:	
Letter - Name	

Which mineral is from an entirely different mineral group?

&

Name the two mineral groups present? _____

STATION 2

Most of these minerals are in the Mohs hardness scale. Can you identify them by their hardness?

Α Β
C D
E F
G H
Can you identify the one mineral in the box that is NOT on the Mohs harndess scale?
STATION 4 Which of these minerals is a native element ? A, B, C Name it: Name the two minerals in specimen B:
What do the two minerals in specimen B have in common?
Which mineral displays multiple cleavage directions that are not perpendicular to each other?
What type of fracture style is displayed by sample C?

Name sample A and describe its luster:

1. Stations – December 27

Α



Β





D





Stations – December 27

Ε











Stations – December 27









Ε



Stations – December 27

В

Α







I could not fine an excellent photo of these two mineral together to match my example online so this is a fabricate d this combination.

Station Answers – 1. December 27

Station 1

- A. Triclinic (no parallel axes)
- B. Cubic/isometric (3 perpendicular and equal axes)
- C. Isometric dodecahedron
- D. Hexagonal 6-sided
- E. Tetragonal all parallel axes, two equal length, one is shorter

Station 2A. ApatiteB. FeldsparC. CalciteD. QuartzE. TalcF PyriteG. GypsumH. FluoritePyrite is not in Moh's scale.

Station 3

B, C, and E are all gypsum

B – alabaster

C – selenite

E – satin spar

A is sphalerite D is celestite

A is a sulfide mineral. Rest are sulfates.

Station 4

C is a Native Element --- Copper Specimen B contains Galena and Celestite. Both contain the element sulfur (S). Celestite has multiple non-parallel cleavages. Copper (C) has hackly fracture. A is sphalerite and has metallic luster.