

STATION 1

Α

С







D



В

Ε



"Cave of Swords" – Naica, Mexico

STATION 2

Α

С





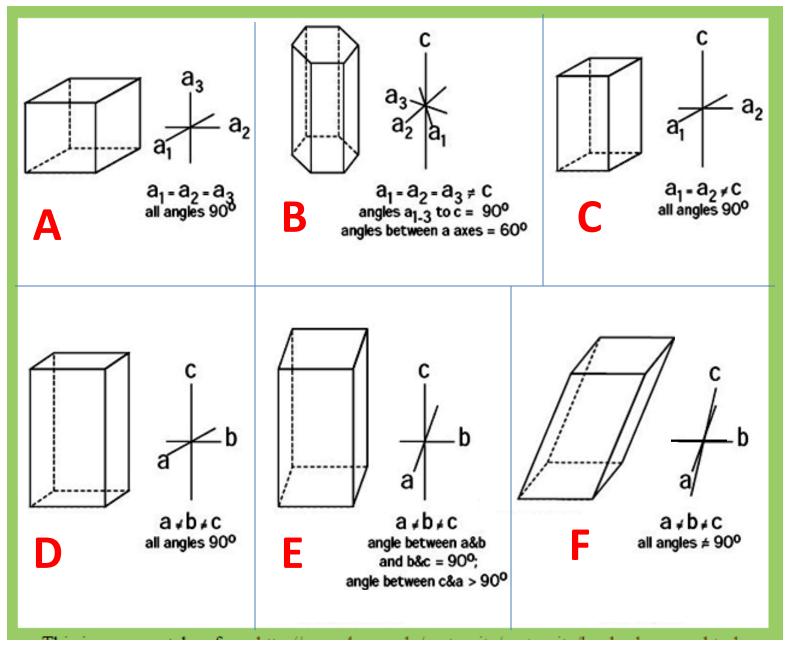


D





Station 3



STATION 4

Α

С





D

В





Ε



Answers

STATION 1

A is sodalite B is apatite E is satin spar C is agate

D is selenite

Agate (C) has shows conchoidal fracture

Selenite and satin spar have same composition.

Sodalite and agate are silicate minerals.

STATION 2

B is malachite C is amazonite

A is orthoclase D is chalcedony E is milky quartz

E is hexagonal

A and C are both potassium feldspar.

Malachite is not a silicate mineral.

STATION 2

Galena ----- isometric Quartz ----hexagonal Chalcopyrite ----- tetragonal Barite ----- Orthorhombic Gypsum ----- Monoclinic Orthoclase ----- Triclinic

STATION 4		
A is lepidolite	D is citrine	
B is sphalerite	E is albite	
C is hornblende		
Sphalerite (ZnS) contains zinc. Hornblende is a chain silicate. Lepidolite contains lithium.		