

## SES Mineral Assignment

Due Date:

Total: 20 marks

### Objective:

1. Research 2 minerals of your choice from the list below. You must consult with me first before choosing a mineral other than those provided. Native elements are not permitted!
2. Create a well organized chart (free of spelling/grammatical errors) that will include the information on each of the subheadings.

### Criteria:

1. Origin of mineral name
2. Picture of the mineral
3. Mineral Group (E.g. Silicate)
4. Chemical composition (There may be more than one.)
5. Crystal Structure (E.g. Cubic)
6. Cleavage/Fracture (Be specific!)
7. Hardness
8. Specific Gravity
9. Lustre (Metallic/Non-metallic. If non-metallic, be specific!)
10. Colour(s)
11. Streak
12. Other characteristics/properties
13. How is the mineral easily identified? E.g. Streak
14. Occurrence - Where is it found/mined?
15. Common and/or historical uses

### Suggested minerals:

Albite	Biotite	Diamond	Garnet
Amphibole	Calcite	Diopside	Corundum
Anhydrite	Chalcopyrite	Dolomite	Halite
Apatite	Chlorite	Epidote	Hornblende
Arsenopyrite	Chromite	Galena	K-feldspar (Orthoclase)
Augite	Cinnabar	Graphite	Magnetite
Plagioclase	Pyroxene	Sodalite	Talc
Pyrite	Quartz	Sphalerite	Topaz
Tourmaline	Hematite	Siderite	Opal
Bauxite	Cuprite	Gypsum	Muscovite

### Evaluation:

Knowledge - 15 marks

- Content thorough & accurate

Communication - 5 marks

- Free from spelling and grammatical errors
- Well organized
- Overall effort

Albite	
Amphibole	
Anhydrite	
Apatite	
Arsenopyrite	
Augite	
Plagioclase	
Pyrite	
Tourmaline	
Bauxite	
Biotite	
Calcite	
Chalcopyrite	
Chlorite	
Chromite	
Cinnabar	
Pyroxene	
Quartz	
Hematite	
Cuprite	
Diamond	
Diopside	
Dolomite	
Epidote	
Galena	
Graphite	
Sodalite	
Sphalerite	
Siderite	
Gypsum	
Garnet	
Corundum	
Halite	
Hornblende	
K-feldspar	
Magnetite	
Talc	
Topaz	
Opal	
Muscovite	