MINERALS

BORATES
- Ulexite

CARBONATES
- Aragonite
- Azurite
- Calcite
- Dolomite
- Malachite
- **Magnesite*[1]**
- Rhodochrosite*
- Siderite*

NATIVE ELEMENTS
- Copper
- Diamond
- Gold
- Graphite
- Silver
- Sulfur

HALIDES
- Fluorite
- Halite[4]

OXIDE/HYDROXIDES
- Corundum
- Goethite/Limonite
- Hematite
- Magnetite
- Pyrolusite*
- Rutile*
- Zincite*

PHOSPHATES
- Turquoise*
- ***Apatite Group***
  - **Fluorapatite**
  - Pyromorphite*
  - Vanadinite*

SULFATES
- Barite
- Celestite
- *Gypsum[4] varieties:*
  - Alabaster (massive)
  - Satin Spar (fibrous)
  - Selenite (crystalline)

SULFIDES
- Bornite*[1]
- Chalcopyrite
- Galena
- Pyrite
- Sphalerite
- Stibnite*

SILICATES
- *Amphibole Group*
  - Actinolite*
  - Hornblende
  - Tremolite*
- Apophyllite*
- Beryl
- **Chrysocolla***
- **Dioptase***
- Epidote
- *Feldspar Group*
  - Plagioclase feldspars
    - Albite
    - Labradorite
  - Potassium feldspars
    - Amazonite
    - Orthoclase/Microcline[2]
- *Garnet Group*
  - Almandine
  - **Grossular (green)**

SILICATES (cont)
- Kaolinite
- Kyanite
- *Mica Group*
  - Biotite
  - Lepidolite*
  - Muscovite
- Olivine
- **Prehnite***
- *Pyroxene Group*
  - Augite
  - Rhodonite*
  - Spodumene*
- *Quartz varieties:*
  - Aventurine
  - Agate/**Chalcedony**
  - Amethyst
  - Citrine
  - Jasper*
  - Milky Quartz
  - Opal
  - Rock Crystal
  - Rose Quartz
  - Smoky Quartz*
  - **Tiger's Eye***
- Sodalite
- Staurolite
- Stilbite*
- Talc
- Topaz
- **Tourmaline[3]**
- Willemite*
- **Wollastonite***
- Zircon*

ROCKS

IGNEOUS
- Andesite
- Basalt
- Diorite
- Gabbro
- Granite
- Obsidian
- Pegmatite
- Peridotite
- Pumice
- Rhyolite
- Scoria
- Syenite*[1]
- Tuff*[1]
- **Tuff Breccia***

SEDIMENTARY
- Banded Iron Formation
- Bauxite[4]
- Breccia
- Chert/Flint
- Conglomerate
- Diatomite*[1]
- Dolostone
- Rock Salt (Halite)[5]
- Rock Gypsum[5]
- Shale
- **Siltstone*[1]**
- *Coal varieties:*
  - Anthracite
  - Bituminous
  - Lignite
- *Limestone varieties:*
  - Chalk
  - Coquina
  - Fossil Limestone
  - Oolitic Limestone
  - Travertine
- *Sandstone varieties:*
  - Arkose
  - Greywacke*
  - Quartz Sandstone

METAMORPHIC
- Amphibolite*
- Gneiss
- Marble
- Phyllite
- Quartzite
- *Schist Varieties:*
  - Garnet Schist
  - Mica Schist
  - Talc Schist (Soapstone)*
- Serpentinite*
- Slate

*Specimens marked with an asterisk (*) are for State and National Tournaments

1. **For identification purposes, information will be provided such as diagnostic properties, chemical formulas, grain size, or composition.**
2. The pink/tan variety of feldspar should be identified as **Orthoclase/Microcline** or Potassium feldspar.
3. **Although Tourmaline is the generic name for a group of related mineral species, for identification purposes, tourmaline will be accepted.**
4. Bauxite has been reclassified as a sedimentary rock.
5. Rock Salt and Rock Gypsum for identification purposes are considered the same, respectively, as the minerals Halite and Gypsum and do not need to be distinguished