

2018
Official Science Olympiad Rock and Mineral List

Minerals

Borates

Ulexite (59)

Carbonates

Aragonite (5)

Azurite (7)

Calcite (13)

Dolomite (19)

Malachite (36)

Native Elements

Copper (16)

Diamond (18)

Gold (25)

Graphite (26)

Silver (50)

Sulfur (54)

Halides

Fluorite (22)

Halite (30)

Oxides/Hydroxides

Bauxite (8)

Corundum (17)

Goethite/Limonite (24)

Hematite (31)

Magnetite (35)

Phosphates

Apatite (4)

Sulfates

Barite (9)

Celestite (14)

Gypsum varieties:

Alabaster (27)

Satin Spar (28)

Selenite (29)

Sulfides

Bornite (12)

Chalcopyrite (15)

Galena (23)

Pyrite (40)

Sphalerite (52)

Silicates

Beryl (10)

Epidote (20)

Kaolinite (33)

Olivine (38)

Sodalite (51)

Staurolite (53)

Talc (55)

Topaz (56)

Tourmaline Group (57)

Amphibole Group

Hornblende (32)

Tremolite (58)

Feldspar - Plagioclase

Albite (1)

Feldspar - Potassium

Amazonite/Microcline (3)

Orthoclase/Microcline (21)

Garnet Group

Almandine (2)

Mica Group

Biotite (11)

Lepidolite (34)

Muscovite (37)

Pyroxene Group

Augite (6)

Rhodonite (49)

Quartz Varieties:

Agate/Onyx (41)

Amethyst (42)

Chalcedony (43)

Citrine (44)

Crystal (45)

Jasper (46)

Milky Quartz (47)

Opal (39)

Rose Quartz (48)

Rocks

Metamorphic

Gneiss (60)

Marble (61)

Phyllite (62)

Quartzite (63)

Garnet Schist (64)

Mica Schist (65)

Slate (66)

Igneous

Andesite (67)

Basalt (68)

Diorite (69)

Gabbro (70)

Granite (71)

Obsidian (72)

Pegmatite (73)

Pumice (74)

Rhyolite (75)

Scoria (76)

Sedimentary

Arkose (78)

Breccia (80)

Chert (81)

Conglomerate (82)

Diatomite (83)

Dolostone (85)

Sandstone (92)

Shale (93)

Coal Varieties:

Anthracite (77)

Bituminous (79)

Lignite (86)

Limestone Varieties:

Chalk (87)

Coquina (83)

Fossiliferous (89)

Oolitic (90)

Travertine (91)

The following minerals may appear at the National Tournament:
Actinolite, Kyanite, Labradorite [plagioclase feldspar series], Pyrolusite,
Rhodochrosite, Rutile, Spodumene, Stilbite, Turquoise, Zircon

The Pyroxene Group containing Augite & Rhodonite has been added for 2018.

Note: Specimen numbers are the same as in previous and current Science Olympiad Rock and Mineral Kits that may be ordered from Wards Science Olympiad Kits.