

## 2012 Official Science Olympiad Rock and Mineral List

### Minerals

1. Albite [Plagioclase Group]
2. Almandine [Garnet]
3. Amazonite [Microcline]
4. Apatite
5. Aragonite
6. Augite
7. Azurite
8. Bauxite
9. Barite
10. Beryl
11. Biotite [Mica]
12. Bornite
13. Calcite
14. Celestite
15. Chalcopyrite
16. Copper
17. Corundum
18. Diamond\*
19. Dolomite
20. Epidote
21. Feldspar [Orthoclase Group]
22. Fluorite
23. Galena
24. Goethite/**Limonite**
25. Gold\*
26. Graphite
27. Gypsum [Alabaster]
28. Gypsum [Satin-Spar]
29. Gypsum [Selenite]
30. Halite
31. Hematite
32. Hornblende
33. Kaolinite
34. Lepidolite
35. Magnetite
36. Malachite
37. Muscovite [Mica]
38. Olivine
39. Opal
40. Pyrite
41. Quartz [Agate/Onyx]
42. Quartz [Amethyst]
43. Quartz [Chalcedony]
44. Quartz [Citrine]
45. Quartz [Crystal]
46. Quartz [Jasper]
47. Quartz [Milky]

48. Quartz [Rose]
49. Rhodonite
50. Silver\*
51. Sodalite
52. Sphalerite
53. Staurolite
54. Sulfur/Sulphur
55. Talc
56. Topaz
57. Tourmaline Group
58. Tremolite
59. Ulexite

### Metamorphic Rocks

60. Gneiss
61. Marble
62. Phyllite
63. Quartzite
64. Schist [Garnet]
65. Schist [Mica]
66. Slate

### Igneous

67. Andesite
68. Basalt
69. Diorite
70. Gabbro
71. Granite
72. Obsidian
73. Pegmatite
74. Pumice
75. Rhyolite
76. Scoria

### Sedimentary

77. Anthracite Coal
78. Arkose
79. Bituminous Coal
80. Breccia
81. Chert
82. Conglomerate
83. Coquina
84. Diatomite
85. Dolomite Rock or Dolostone
86. Lignite Coal
87. Limestone [Chalk]
88. Limestone [Crystalline]
89. Limestone [Fossiliferous]
90. Limestone [Oolitic]
91. Limestone [Travertine]
92. Sandstone
93. Shale

**RECOMMENDED RESOURCES:** See Store at: [www.soinc.org](http://www.soinc.org) to order Science Olympiad Rock & Mineral Teaching Guide, the Bio/Earth CD and the National Audubon Society Field Guide to North American Rocks and Minerals. Also, Rocks and Minerals kits (\*excluding only silver, gold, and diamond) may be purchased by check or School Purchase Order from ESES, P.O. Box 503, Lee's Summit, MO 64063 (No Credit Cards or Phone Orders-PH 816-524-5635; FAX 816-525-4263) item OLY01 at \$85.00. Price quoted includes shipping and handling.