

2012 Official Science Olympiad Rock & Mineral List

ALL of the rocks and minerals on the national list are possible parts of our San Diego Regional Competition.

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 Rocks

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

Sedimentary Rocks

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