

## ROCKS AND MINERALS FOUND IN UTAH

1. Obsidian is a dark, glassy rock that is formed when lava cools quickly. It is usually black, but it can also be red, brown, and white specked (snowflake). Obsidian has been used as an arrowhead, a cutting tool, and in jewelry. One of the places where obsidian is found in is the Black Rock Desert of Millard County.
2. Geodes are usually hollow rocks filled with minerals like quartz (which can be different colors). Geodes form when rocks have little holes or cavities that water is able to get into. The water allows minerals to precipitate into the holes and create crystals. A famous place in Utah to find geodes is known as the Dugway Geode Bed in Juab County.
3. Wonderstone, also known as “picture stone,” is a volcanic rock with iron staining that gives it banded colors and designs. Wonderstone can be found in Tooele County.
4. Granite is speckled with white and black colors. The Temple Quarry Nature Trail on the south side of Little Cottonwood canyon (Salt Lake County) is a great place to see this rock.
5. Sandstone is a rock made of layers of sand and can be found many places in Utah. Many of the features in Arches National Park (Grand County) are sandstone rock.
6. Gneiss is a rock with layers of minerals like mica, quartz and feldspar. A good place to see gneiss is in Farmington Canyon in Davis County.

## **ADDITIONAL ROCKS AND MINERALS BY COUNTY**

(For a more comprehensive list, refer to the *<i>Rock, Mineral, and Fossil Localities of Utah</i>* or other resource guides)

### BEAVER

Quartz, malachite, magnetite, pyrite, galena, calcite

### BOX ELDER

Gypsum, fossils

## CACHE

Fossils, quartz, malachite, galena

## CARBON COUNTY

Coal, fossils

## DAGGETT COUNTY

Garnet, staurolite, kyanite, tourmaline, anthophyllite, beryl

## DAVIS

Migmatite, pegmatite, gneiss

## DUCHESNE

Gar fish fossils

## EMERY COUNTY

Agate, petrified wood, jasper, quartz, calcite, geodes,

## GARFIELD

Petrified wood, agate, stibnite, gypsum, hornblende, agate, jasper, sand calcite crystals,

## GRAND

Agate, petrified wood,

## IRON

Agate, topaz, quartz, fluorite, hematite, fluorite, chalcedony

## JUAB

Agate, geodes, Calcite, Pyrite, Aragonite, Topaz, Red Beryl, Hematite, Chalcedony, Amethyst, Fluorite,

## KANE

Petrified wood, Agate, Jasper

## MILLARD

Fossils, Sunstone, aragonite, obsidian, quartz, chalcopyrite, garnet,

## MORGAN

Pyrite, calcite

## PIUTE

Alunite, fluorite, calcite, quartz, stilbite, Amethyst

## RICH COUNTY

Fossils

## SALT LAKE

Pyrite, galena, hemimorphite, marble, magnetite, ludwigite, vesuvianite, garnet, serpentine, quartz,

#### SAN JUAN

Agate

#### SAN PETE

Quartz, aragonite, magnesite

#### SEVIER COUNTY

Gypsum, Anhydrite, Halite,

#### SUMMIT

Fossils

#### TOOELE

Agate, Gypsum, oolitic sand, cinnabar, gypsum sand, orthoclase feldspar, calcite, azurite, malachite, hemimorphite, pyrite, galena, Wonderstone, Calcite, fluorite, Azurite

#### UINTAH

Hydrocabons (like oil shale), fossils, pyrite, quartz, marble, Limestone

#### WASATCH

Spinel, garnet, vesuvianite, titanite, hematite, quartz,

#### WASHINGTON

Petrified wood, agate, Garnet

#### WAYNE

Agate, jasper, chert, petrified wood

#### WEBER

Calcite, fossils