

## Geode

A geode is rounded shaped rock mass that is usually hollow and filled or partially lined with agate or a mass of crystals.

One theory for the formation of geodes is gas or bubbles are trapped in a liquefied lava which when cooled is filled with hollow spaces. Further cooling causes the hollow spaces to become filled with various minerals and impurities. The types of minerals and the rapidity with which they cool determines whether the cavity will be filled with agate or crystals.

The most common minerals found in geodes are quartz, smoky quartz,, amethyst, and citrine which are all in the quartz family. The secondary minerals usually found are calcites and goethite. Each mineral is usually present in various colors and frequently as beautiful crystals.

