

The Gem stones of Revelation 21:19-20

1. Jasper Opaque quartz usually colored with hematite which gives it a red color. CC is SiO_2
2. Sapphire a blue transparent corundum. CC Al_2O_3
3. Chalcedony, an amorphous quartz material CC SiO_2
4. Emerald. a true emerald is deep green transparent beryl CC $\text{Be}_2\text{Al}_{12}\text{Si}_6\text{O}_{18}$
5. Sardonyx . a banded agate with lines arranged straight parallel lines CC SiO_2
6. Carnelian a red translucent chalcedony CC SiO_2
7. Chrysolite aka Olivine a green transparent mineral CC $(\text{MgFe})_2\text{SiO}_4$
8. Beryl. a transparent to translucent bluish green or light yellow CC $\text{Be}_2\text{Al}_{12}\text{Si}_6\text{O}_{18}$
9. Topaz translucent colorless to golden brown or pink color CC $(\text{Al}_2\text{SiO}_4(\text{F},\text{OH}))_2$
10. Chrysophae apple green chalcedony CC SiO_2
11. Jacinth usually opaque brown gray green aka zircon CC ZrSiO_4 .
12. Amethyst Quartz usually colored purple CC SiO_2

CC=chemical composition

SiO_2 is the most common mineral on the earth i.e. Quartz

Mineral data from Dana's Manual of Mineralogy 1912