To be a mineral, a substance must be solid, naturally occurring, inorganic, a specific chemical composition, and have an ordered internal structure (Exploration of Geologic Materials).

The first instance I have interacted with minerals is with quartz (Earle, 2015). I have seen quartz in rock granite at a friend’s home. I know it is a mineral by its solid and ordered composition. A second mineral I have interacted with is Silver in select jewelry. I can know by Silver specific chemical composition. A third mineral I have interacted with is diamond -- also when seeing jewelry on the shelves. From taking chemistry, I know that diamond is a carbon composed solid and has a lattice structure.

People can use minerals in the home as a part of their granite. People can also use minerals when building the structure of their homes out iron. People can also use minerals as decorative jewelry.

Clay, Sulfur (oil), and Construction sand and gravel are present minerals where around the Denver area where I live (National Minerals Information Center). But with many small mining towns in Colorado, I know we also have gold, silver, and lead here.

If I had to build my house on a mineral deposit, I would build on limestone and gypsum. These are minerals that are added to make cement, which I feel is a very sturdy base to build on (Building a house ...). I chose this concoction because I think cement is a very sturdy and solid base to build on.

SOURCES:

Building a house ... (n.d.). Retrieved June 16, 2020, from <https://www.oum.ox.ac.uk/thezone/minerals/usage/build.htm>

Earle, S. (2015, September 1). Physical Geology. Retrieved June 8, 2020, from <https://opentextbc.ca/geology/>

National Minerals Information Center. (n.d.). Retrieved June 16, 2020, from <https://www.usgs.gov/centers/nmic/mineral-industry-colorado>

Physical Science Department. (2020, Summer). GEY111 Exploration of Geologic Materials.  Colorado: CCCOnline.  Retrieved from class website at: <https://ccco.desire2learn.com/d2l/le/content/2768021/viewContent/29147593/View>