Chapter 6 Questions

Answer each question with a complete sentence

Your response can be typed and written.

Your duty to ensure you get credit by submitting work in a timely manner to my email [kculclager@saphs.org](mailto:kculclager@saphs.org)

Do your best to answer each question and submit your own work.

Make sure your name is on your submission

6.1

1. Classify the following substances as mixtures or compounds
   1. Air
   2. CO
   3. SnF2
   4. Pure water
2. Explain why glass, which is made of mostly SiO2 is often used to make cookware.
3. How is the hardness of minerals explained by minerals’ chemical structure?
4. A Chemical Bond can be defined as a force that
   1. Holds the parts of an atom together
   2. Joins atoms in a compound
   3. Causes electric repulsion
   4. Bend nuclei together
5. Noble gases, such as helium and neon, have full stable outer level electron configurations. How does this fact explain why atoms of noble gases usually do not form chemical bonds?