

Reinforcement Forming Solids

Directions: *In the space provided, write all terms from the list below that describe each substance named.*

- | | | | | |
|---------------|---------|---------------|---------|------------|
| covalent bond | crystal | ductile | element | ionic bond |
| malleable | metal | metallic bond | polymer | |

1. gold

2. polystyrene

3. table salt

4. steel

5. diamond

Directions: *Write the missing word in each statement to describe different types of solids.*

- A regular, repeating arrangement of atoms, ions, or molecules is a _____.
- Metal atoms combine in regular patterns in which _____ are free to move from atom to atom.
- Monomers called amino acids make up proteins, one type of organic _____.
- Organic polymers, such as the carbohydrates used in our bodies, always contain the element _____.
- A _____ is the smallest repeating pattern that shows how atoms, ions, or molecules are arranged in a crystal.