

## Unit 9 - Activity 1 - Crystal Structure of Elements

Examine the crystal structures of the following elements and complete the table below.

Element	Identify its location on the periodic table - left side, right side	Describe its connectedness with other particles - connected throughout, connected some, not connected at all	Describe the state of matter and energy of the particles - solid, liquid, gas
Graphite (carbon)			
Sulfur			
Argon			
Copper			
Magnesium			
Iron			

1. Divide the structures in to two groups based on the information collected in your data table.
2. For each group write a rule that accurately describes the characteristics needed to be a member of this group.