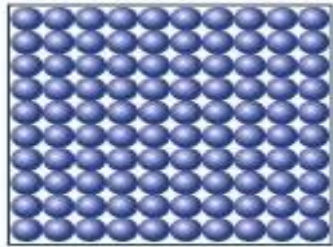
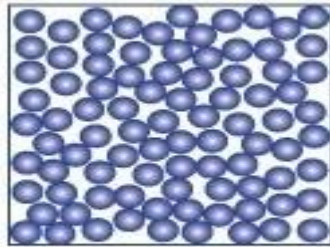


Year 8 Chemistry
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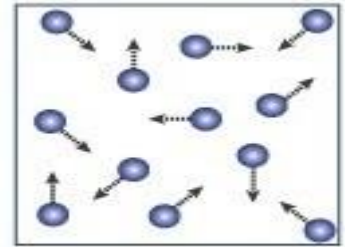
1. For each of the diagrams below describe what is happening to the particles. Make reference to relative particle distance, flowing/pouring ability and shape and volume:



Solid



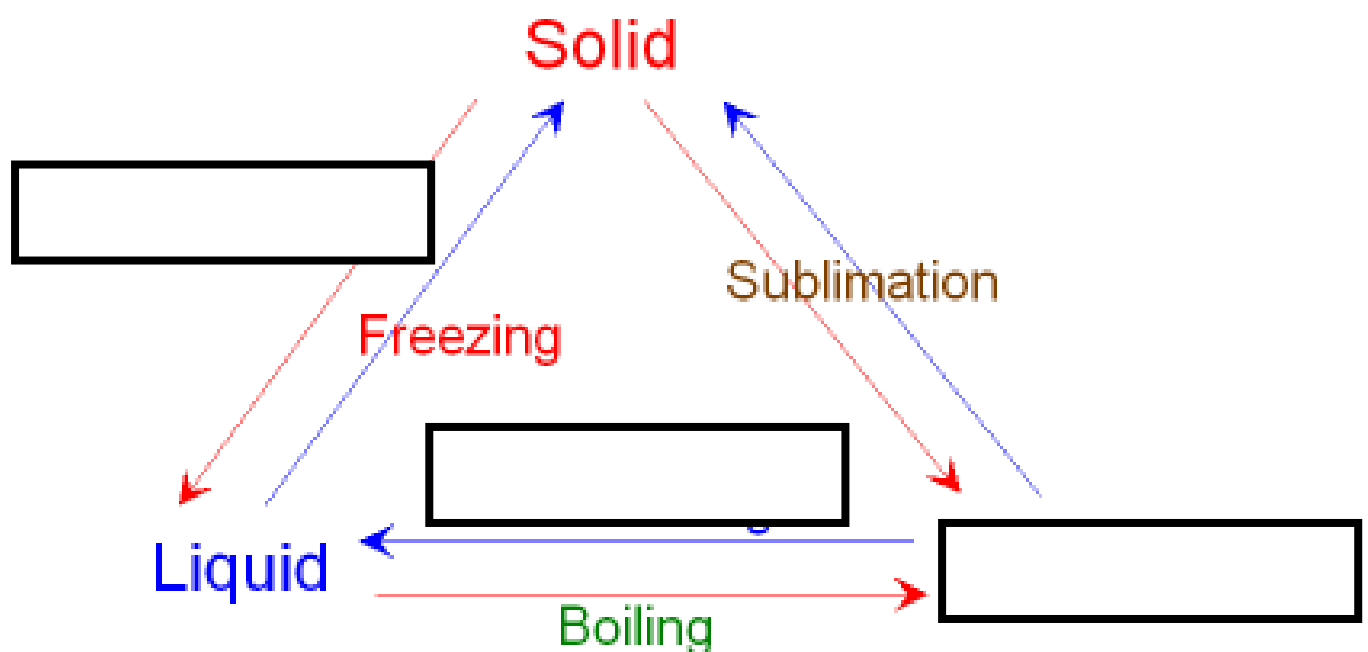
Liquid



Gas

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2. Fill in the blanks below:

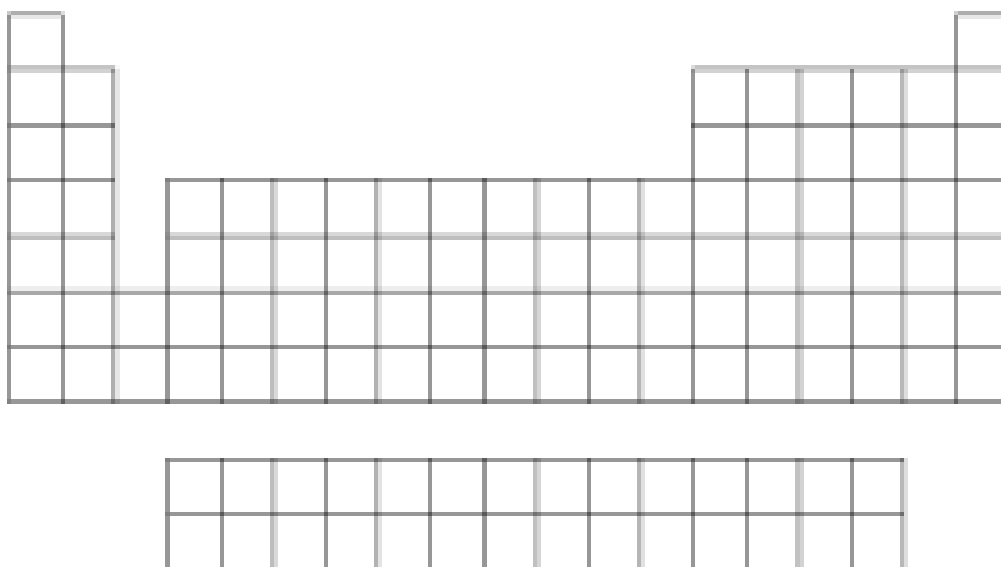


3. Define diffusion:

4. Fill in the blanks below:

Element Name	Element Symbol	Element Name	Element Symbol
Chlorine		Sodium	
Manganese		Lead	
	Fe		Ni
	Be		Cu

5. On the periodic table below, colour in where you would find metal, non-metals and metalloids:

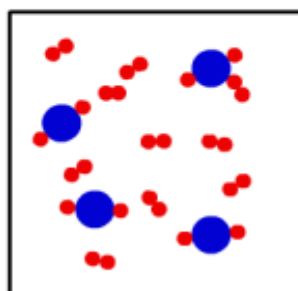
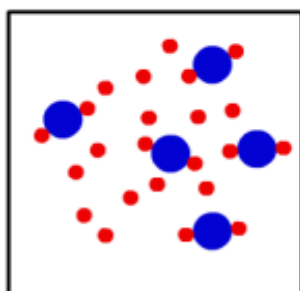
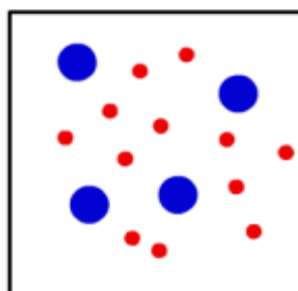
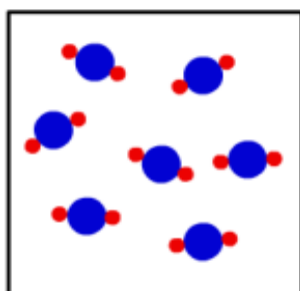
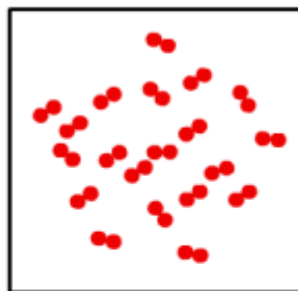
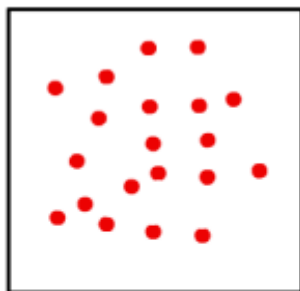


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6. Identify the properties of metals, non-metals and metalloids by completing the table below:

Property	Metal	Non-metal	Metalloid
Lustre			
Ductility			
Malleability			
Conducts Electricity and Heat			

7. Describe what is represented in each of the pictures below. Use the following terms: *Element*, *Molecule*, *Compound* and *Mixture*.



8. Fill in the table below:

Compound formula	Name and number of atoms present
CH ₃ COOH	
NaCl	
Na ₂ SO ₄	
Cu(NO ₃) ₂	

9. Name the following compounds:

Compound	Name
NaCl	
FeS	
Mg ₃ N ₂	

