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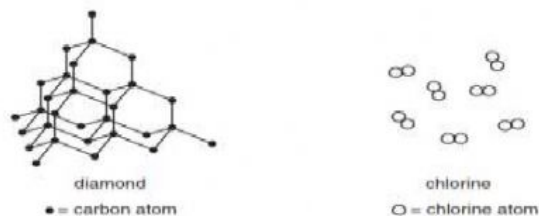
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**KVS ZIET BHUBANESWAR  
INTERACTIVE WORKSHEET  
SUBJECT: CHEMISTRY  
STANDARD: XI & XII**

**A.K.Gupta, TA (Chemistry)**

1. The structures of diamond and chlorine are shown below.



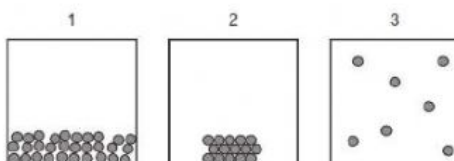
Describe the structure of these two substances. Use the list of words to help you.

covalent   diatomic   giant   macromolecule   molecule   structure

Diamond

Chlorine

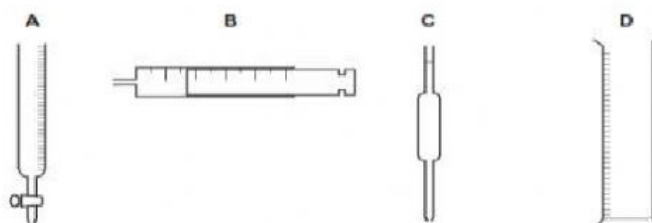
2. The diagrams show particles in a container.



Which two diagrams show the process of evaporation?

- A** 1 → 2      **B** 1 → 3      **C** 2 → 3      **D** 3 → 1

2 Which piece of apparatus is used to measure exactly 26.3 cm<sup>3</sup> of a liquid?



3. The melting points and boiling points of pure substances W, X and Y are shown.

	W	X	Y
melting point/ $^{\circ}\text{C}$	-114	115	-101
boiling point/ $^{\circ}\text{C}$	78	445	-34

The substances are chlorine, ethanol and sulfur.

Which row identifies W, X and Y?

	W	X	Y
<b>A</b>	chlorine	ethanol	sulfur
<b>B</b>	ethanol	sulfur	chlorine
<b>C</b>	sulfur	chlorine	ethanol
<b>D</b>	sulfur	ethanol	chlorine

4. A covalent molecule Q contains exactly six shared electrons. What is Q?

**A** ammonia,  $\text{NH}_3$

**B** chlorine,  $\text{Cl}_2$

**C** methane,  $\text{CH}_4$

**D** water,  $\text{H}_2\text{O}$

5. Which gas is used as a fuel?

**A** argon

**B** hydrogen

**C** nitrogen

**D** oxygen