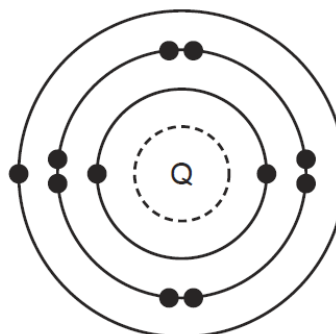
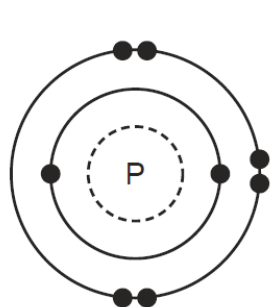


NO:	FORMULA OF COMPOUNDS-SET-1																	
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3

The electronic structures of atoms P and Q are shown.



key

● = electron

P and Q react to form an ionic compound.

What is the formula of this compound?

A PQ_2 **B** P_2Q **C** P_2Q_6 **D** P_6Q_2

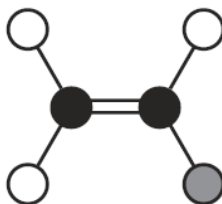
4

For which compound is the formula correct?

	compound	formula
A	ammonium chloride	NH_3Cl
B	copper(II) sulphide	CuS
C	iron(II) sulphide	Fe_3S
D	silver nitrate	Ag_2NO_3

5

The diagram shows a molecule of vinyl chloride (used to make pvc).



key

- a carbon atom
- a chlorine atom
- a hydrogen atom

What is the formula of vinyl chloride?

- A** CH_2Cl_3 **B** CH_3Cl_2 **C** C_2HCl_3 **D** $\text{C}_2\text{H}_3\text{Cl}$

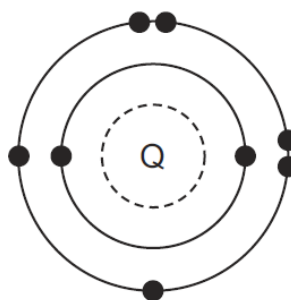
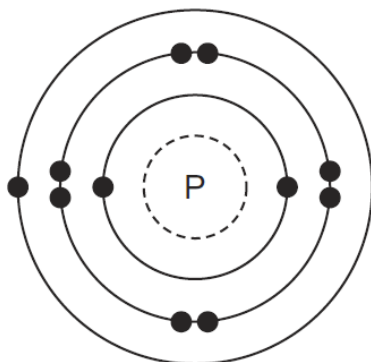
6

When written as formulae, which compound has the greatest number of oxygen atoms?

- A** calcium oxide
- B** copper(II) oxide
- C** iron(III) oxide
- D** potassium oxide

7

The electronic structures of atoms P and Q are shown.



key
● = electron

P and Q react to form an ionic compound.

What is the formula of this compound?

A PQ_2

B P_2Q

C P_2Q_6

D P_6Q_2

8

A compound contains one atom of calcium, two atoms of hydrogen and two atoms of oxygen.

What is the correct chemical formula of the compound?

A CaO_2H_2

B $HOCaOH$

C H_2CaO_2

D $Ca(OH)_2$