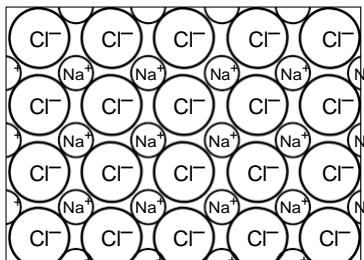


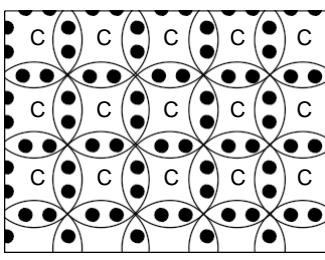
Spot the bonding

This exercise comprises of a set of diagrams showing a range of chemical species and systems. For each diagram: either write the name or names of the type or types of bonding present, or write none (if there is no chemical bonding) or do not know if you are unsure.



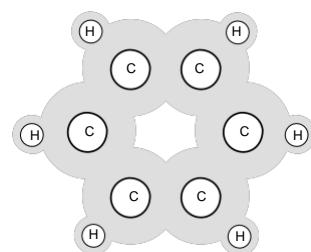
Sodium chloride lattice

1. _____



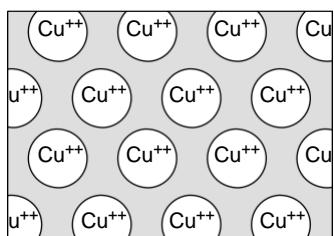
Diamond lattice

2. _____



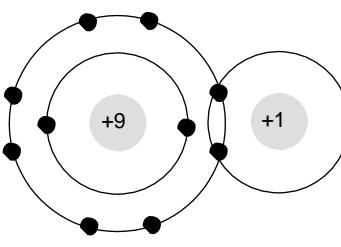
Benzene molecule

3. _____



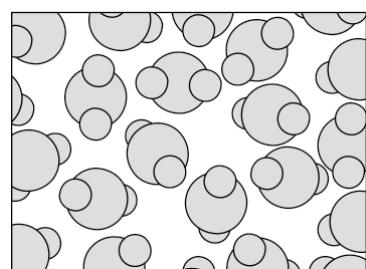
Copper metal lattice

4. _____



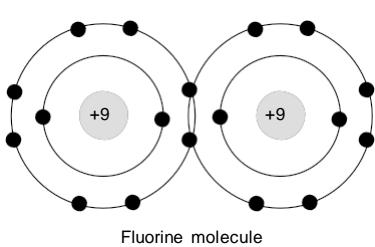
Hydrogen fluoride molecule

5. _____

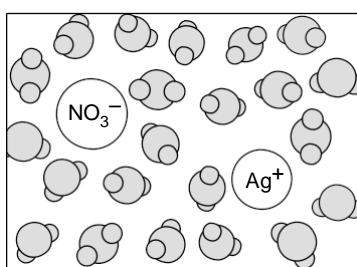


Liquid water

6. _____

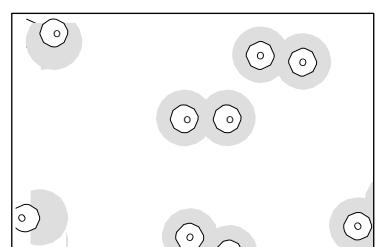


Fluorine molecule



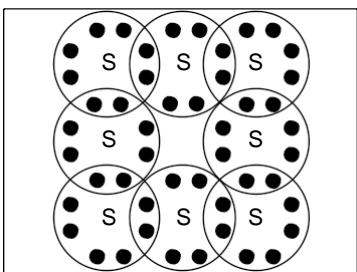
Silver nitrate solution

7. _____



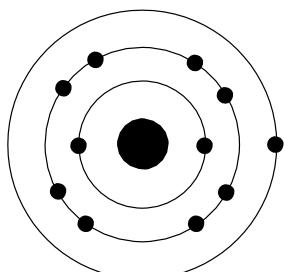
Oxygen gas

8. _____



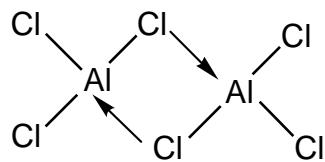
Sulfur molecule

10. _____



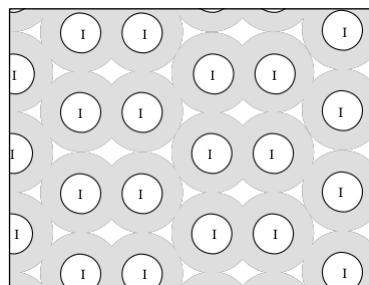
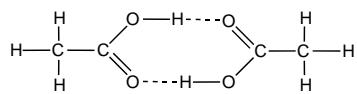
Sodium atom

11. _____



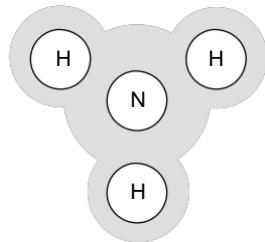
Aluminium chloride dimer

12. _____



Carbon dioxide molecule

13. _____

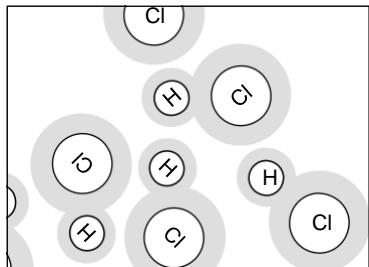
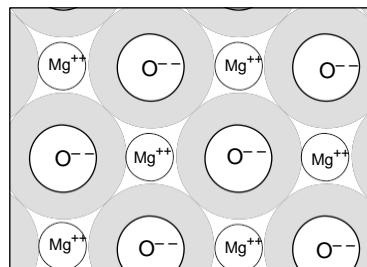


Ethanoic acid dimer

14. _____

Iodine lattice

15. _____



Ammonia molecule

16. _____

Magnesium oxide lattice

17. _____

Liquid hydrogen chloride

18. _____
