

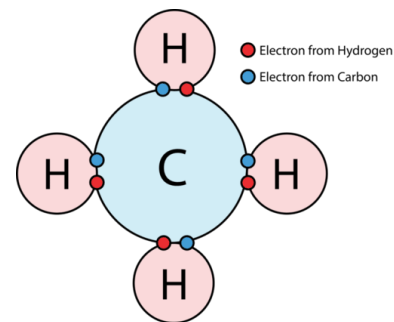
Triple Unit Overview – C2 Bonding

You will learn about:

- The three types of chemical bonds
- The structure and bonding of Carbon

You will be able to:

- Research uses and properties of nanoparticles



Key learning points		<p style="text-align: center;">Key Words</p> <p>ions, metal, non metal, electrostatic forces, high melting and boiling point, low melting and boiling point, sharing, transfer, electrons, intermolecular forces, delocalised electron, polymers, plastics, diamond, graphite, conductor, electricity.</p>
Ionic bonding and compounds		
Properties of ionic bonding and simple molecules		
Covalent bonding		
Metallic bonding and alloys		
Particle theory and the three states of matter		
Covalent structures (giant and simple)		
Polymers and their properties		
Graphene and Fullerenes		
Nanoparticles		
<p>Links to other subjects:</p> <p>SMSC: Understand and appreciate the impacts of human development on the environment and describe the effects that this is having.</p> <p>Literacy: Describe observations in practical work. Explain the development of periodic table and the structure of the atom. Describe how reactivity and trends are linked to position in the periodic table.</p> <p>Numeracy: Students should be able to translate data between diagrammatic and numeric forms. Visualise and represent 2D and 3D forms including two dimensional representations of 3D objects.</p>		