

AQA, OCR, Edexcel

A Level

A Level Biology

Water and Inorganic Ions

Answers

Name:

M

M

E

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Total Marks:

Answer	Marks
<p>1.</p> <p>a)</p> <p>i) Covalent</p> <p>ii)- Oxygen has negative charge -Hydrogen has positive charge</p> <p>b)</p> <p>i) Oxygen</p> <p>ii)</p> <p>- Oxygen is more electronegative and pulls the shared hydrogen electrons towards it -The opposite side of the Hydrogen atom becomes slightly (δ) positive -The unshared electrons on the other side of the Oxygen atom become slightly (δ) negative.</p> <p>iii)</p> <p>-The δ negative Oxygen atom is attracted to the δ positive Hydrogen atom on another water molecule. -Hydrogen bonding occurs between the Hydrogen and Oxygen molecules</p> <p>iv) It helps water molecules to stick together.</p> <p>c)</p> <p>i) A liquid in which a solute is dissolved to form a solvent</p>	<p>1 mark</p> <p>2 marks</p> <p>1 mark</p> <p>3 marks</p> <p>2 marks</p> <p>1 mark</p> <p>1 mark</p>
<p>2.</p> <p>a)</p> <p>i)</p> <p>- Any named nutrient e.g. glucose - Urea -CO₂ - O₂</p>	<p>3 marks</p>

