

## 2.2 Water

### Water Structure

*Explain the polarity of water*

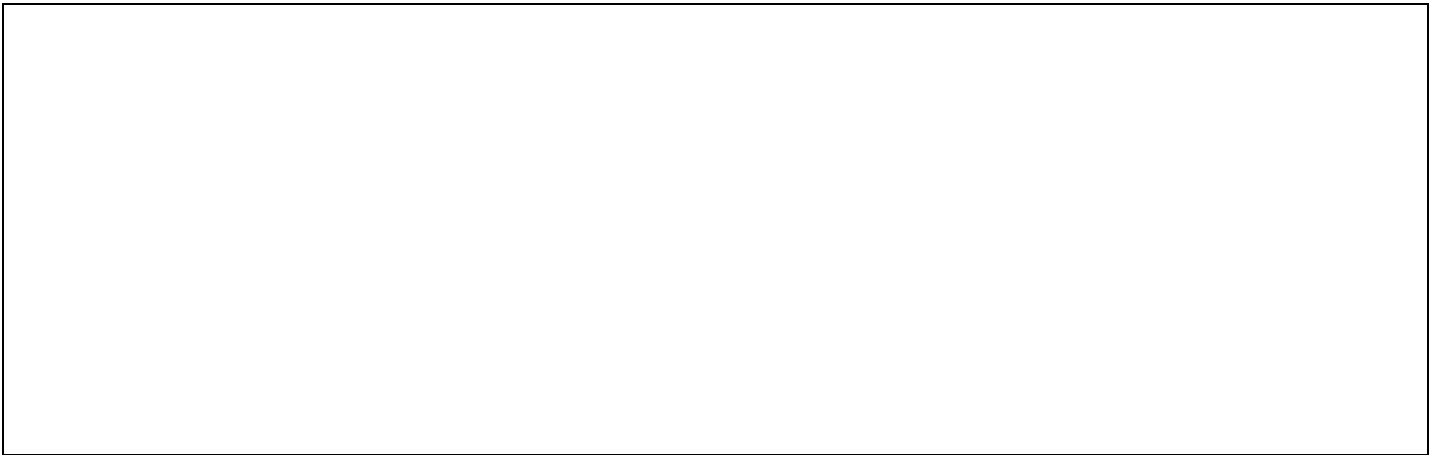
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*Draw a diagram of two water molecules, showing the intermolecular bonding between them*



### Water Properties

*Distinguish between cohesion and adhesion with relation to water*

Cohesion: .....

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Adhesion: .....

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*Describe the biological significance of the cohesive and adhesive properties of water*

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*Explain the thermal properties of water*

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*Describe the biological significance of the thermal properties of water*

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*Compare water (H<sub>2</sub>O) and methane (CH<sub>4</sub>)*

Similarities:

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Differences:

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*Distinguish between hydrophilic and hydrophobic*

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*Describe (with examples) how the solubility of molecules affects their mode of transport within the blood*

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