

**Q1.**

(a) Explain **five** properties that make water important for organisms.

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(5)

**Q2.**

(c) State and explain the property of water that helps to prevent temperature increase in a cell.

Property \_\_\_\_\_

Explanation \_\_\_\_\_

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(2)

**Q3.**

(a) Explain **five** properties that make water important for organisms.

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**(5)**

**Q4.**

(a) State **and** explain the property of water that can help to buffer changes in temperature.

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**(2)**

**Q5.**

Water and inorganic ions have important biological functions within cells.

- (a) Give **two** properties of water that are important in the cytoplasm of cells. For each property of water, explain its importance in the cytoplasm.

Property 1 \_\_\_\_\_

Biological importance within cells \_\_\_\_\_

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Property 2 \_\_\_\_\_

Biological importance within cells \_\_\_\_\_

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(4)

**Q6.**

Write an essay on the ways in which water and the regulation of water content are important to organisms.

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