**CB6 Revision Mat**

Transpiration

Describe how water is lost from leaves

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State the vessel water and mineral ions are transported around the plant in

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Absorbing water and mineral ions

Explain how root hair cells are adapted to their function

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Explain how water flows from the soil into the cytoplasm of a root hair cells

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Explain how water flows from the soil into the cell walls of a root hair cell

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Describe how plants take in mineral ions to make new proteins

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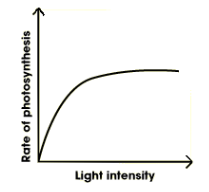
Factors that affect photosynthesis

Describe the effect of temperature on the rate of photosynthesis

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Describe the effect of light intensity on the rate of photosynthesis

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Describe the relationship between light intensity and rate of photosynthesis prior to it levelling off

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Explain the effect of light intensity on the rate of photosynthesis

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Describe the effect of carbon dioxide on the rate of photosynthesis

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Photosynthesis

State the word equation for photosynthesis

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Describe how products produced in photosynthesis are used in plants

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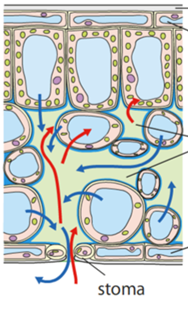
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Explain why photosynthesis is an endothermic reaction

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Explain how leaves are adapted for their function

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Translocation

State the vessel that sucrose is transported around the plant in

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Explain why sieve cells have very little cytoplasm

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Explain why companion cells have many mitochondria

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Transpiration

State 3 factors that would increase transpiration in plants

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Describe how a student could investigate the effect of wind on transpiration (include controls, independent and dependent variables)

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Describe how the xylem is adapted for its function

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