

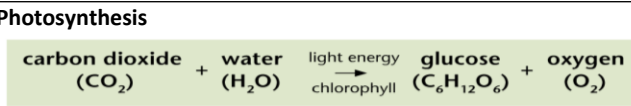
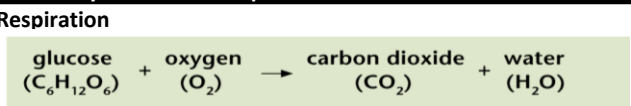
1. Key Words

| | | |
|----|-------------------|--|
| 1 | Respiration | Chemical reaction in living cells that releases 'energy' for that cell and for the living organism |
| 2 | Photosynthesis | Chemical reaction in plant cells that help plants make their own food (glucose). Light energy, carbon dioxide and water is needed. |
| 3 | Limiting factor | A factor that is needed for a chemical reaction to take place. Short supply of the factor will limit the reaction rate. |
| 4 | Glucose | A simple carbohydrate (a sugar) |
| 5 | Starch | A complex carbohydrate |
| 6 | Intensive farming | A farming technique and practice that will maximise production of a farmed product eg lots of carrots |
| 7 | Herbicide | Weedkiller |
| 8 | Pesticide | Chemicals that will kill pests |
| 9 | Insecticide | Chemicals that kill insects only. |
| 10 | Xylem | Transport vessel in plants. Water and minerals move through xylem tubes. |
| 11 | Root hair cell | Root cells adapted to absorb water and minerals form surrounding soil. Larger surface area. |
| 12 | Fertiliser | Can be natural or Artificial. Contain minerals that promote plant/crop growth. |
| 13 | Hydroponics | Plants grown in mineral rich water, not soil. |
| 14 | Biomass | All the living solid material of an organism. |
| 15 | Yield | How much of something has been produced |

2. Leaf structure and water transport in plants

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|---|-------------------|
| 1 | Palisade cells |
| 2 | Xylem vessels |
| 3 | Carbon dioxide |
| 4 | Oxygen |
| 5 | Waxy cuticle |
| 6 | Spongy cell layer |
| 7 | Water vapour |

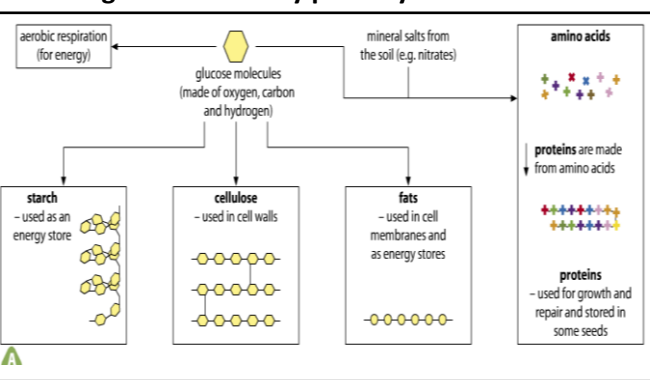
1. Photosynthesis and respiration



Movement of water through root cells



Uses of glucose made by photosynthesis



1. Command Words

| | | |
|---|-----------|--|
| 1 | Define | State or describe exactly the nature, scope, or meaning of something / establish the character of something; mark out the boundary or limits of something |
| 2 | Summarise | Give a brief statement of the main points of something. |
| 3 | Suggest | Used with another command word, e.g. Suggest an explanation. Suggest tells you that you need to apply your knowledge to a new situation, and in this case to give a possible explanation |
| 4 | Why | Giving a reason or explanation to support the answer of the question. |
| 5 | Interpret | Ascribe meaning. |
| 6 | Evaluate | Look at the information in the question and bring it together to make a decision and come to a conclusion with evidence from the question. You may be asked to give a personal response. |