

## Respiration and photosynthesis

- 1) Select the correct option
- a) Photosynthesis is a process by which plants produce sugar and oxygen from:
    - 1) Biomass and glucose
    - 2) Water and carbon dioxide
    - 3) Minerals and carbon dioxide
  - b) Water and minerals are transported through carrying tubes that are located in \_\_\_\_\_
    - 1) The roots
    - 2) The stem and branches
    - 3) The flowers
  - c) \_\_\_\_\_ is a synonym for carrying tubes
    - 1) Stomata
    - 2) Starch
    - 3) Xylem vessel
  - d) This pigment traps light energy from the sun
    - 1) Chloroplast
    - 2) Chlorophyll
    - 3) Vacuole

2) What is respiration?

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3) In which parts of the plant does respiration take place?

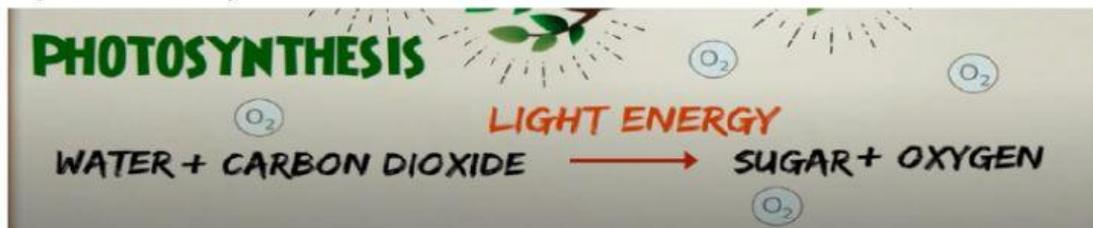
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4) Complete the equation:



5) Is the respiration equation similar to the photosynthesis equation? Why?



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