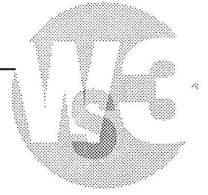


16

Photosynthesis and respiration



Worksheets **Ws1** and **Ws2** have indicated the similarities and differences in the biochemistry of photosynthesis and respiration.

Your task...

...is to complete the flow diagram summarising some of those similarities and differences by labelling each of the boxes and circles. The labels to use are:

Calvin cycle
Carbon dioxide
Chlorophyll
Electron carriers
Electrons
Glucose

Krebs cycle
Oxygen
Pyruvate
Reduced NAD
Reduced NADP
Triose phosphate
Water

- Where there are two boxes with the same number, the same label should be used.
- The Calvin cycle is another name for the light-independent reactions of photosynthesis.
- The circles represent processes and the boxes represent substances (or electrons).

