

3 ATP, photosynthesis, and respiration – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 energy is released (to power the cell's work).

2.2 carbon dioxide + water $\xrightarrow{\text{light}}$ glucose + oxygen.

2.3 glucose + oxygen $\rightarrow$ carbon dioxide + water + energy (ATP).

2.4 photosynthesis stores energy by building glucose, while respiration releases energy by breaking glucose down (the products of one are the reactants of the other).

2.5 only respiration (animals cannot photosynthesise).