

12 Energy and ATP – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

12.1 From respiration.

12.2 ATP.

12.3 ADP plus a phosphate group.

12.4 Active transport, movement, or building molecules (any one).

12.5 Moving substances against a gradient (which needs energy).

12.6 ATP is constantly *recycled*: as it is broken to ADP + phosphate to release energy, respiration immediately rebuilds it back into ATP. So a small pool of ATP is reused over and over, supplying energy as fast as it is used.