

12 Aerobic respiration – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

12.6 Yes.

12.7 In the cytoplasm.

12.8 Oxidative phosphorylation (on the inner membrane).

12.9 Lipids.

12.10 A molecule that is broken down to release energy.

12.11 Most ATP is made by oxidative phosphorylation on the *inner membrane*. Folding the inner membrane and having many mitochondria gives a much larger total membrane surface, so more oxidative phosphorylation can happen at once —letting an active muscle cell make a lot of ATP quickly.