

12 Anaerobic respiration – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

12.6 Anaerobic respiration works without oxygen and releases much less energy; aerobic respiration needs oxygen and releases a lot.

12.7 Alcohol and carbon dioxide.

12.8 Lactic acid.

12.9 The extra oxygen the body needs afterwards to break down the lactic acid.

12.10 The liver.

12.11 During the sprint the muscles respired **anaerobically**, making **lactic acid** and building an **oxygen debt**. The athlete keeps breathing hard afterwards to take in the **extra oxygen** the liver needs to break the lactic acid down.