

Respiration

Glucose + Oxygen > Carbon Dioxide + Water + Energy

Makes for: Energy

Growth

Making new materials

Movement

Heat

Glucose from food

Glucose + Oxygen = Cells make energy

Cells need energy. Breathe harder when exercising.

Lungs

Breathed in (%):

Breathed Out (%):

O₂ > 21

O₂ > 18

CO₂ > 0.03

CO₂ > 3

N₂ > 79

N₂ > 79

The breathed in air goes to the alveoli in the lung. The O₂ oxygenates the blood and the CO₂ deoxygenates it.

Microbes

Types of Microbes: Viruses

Bacteria

Funghi

White blood cells defend the body from microbes.

Immunisation is the process of injecting weakened or dead microbes into the body.

The white blood cells consider (the microbes) alive and attacks them, trying to fight it.

Food Chains

Sun > Grass > Hare > Fox

Population Size Triangle consists of; Adaptation, Predation, Competition.