Aerobic and Anaerobic Respiration

Aerobic

Energy released in the presence of oxygen

glucose + oxygen → carbon dioxide + water

Relatively Large Amounts Of Energy Released

Happens Inside Mitochondria In Cells.

Anaerobic

The release of energy in cells in the absence of oxygen.

Animals

Causes an 'oxygen debt'

glucose → lactic acid

Happens In Muscles During Hard Exercise:

Plants And Yeast

glucose → ethanol + carbon dioxide

Used In Brewing And Bread-Making