Mitopoly
The Mitochondrial drug discovery game

Did you know?!
Mitochondria are the powerhouses of the cell. They convert the energy from the food you eat into a form of energy that the cell can use (ATP).

Mitochondria are also involved in cell signalling, cell growth and cell death.

There are a lot of mitochondria in your muscle cells and nerve cells because these cells need lots of energy to work. There are not so many mitochondria in your fat cells.

Mitochondria are believed to be descendants of bacteria who coevolved with us. They are the only cell organelles in humans that have their own DNA.

You inherit all your mitochondria from your Mum. None come from your Dad.

Why target drugs to the mitochondria?

The four major killers in the UK (heart disease, stroke, neurodegeneration and cancer) all involve mitochondria misbehaving.