

# Nuclear Power Stations

## Apparatus

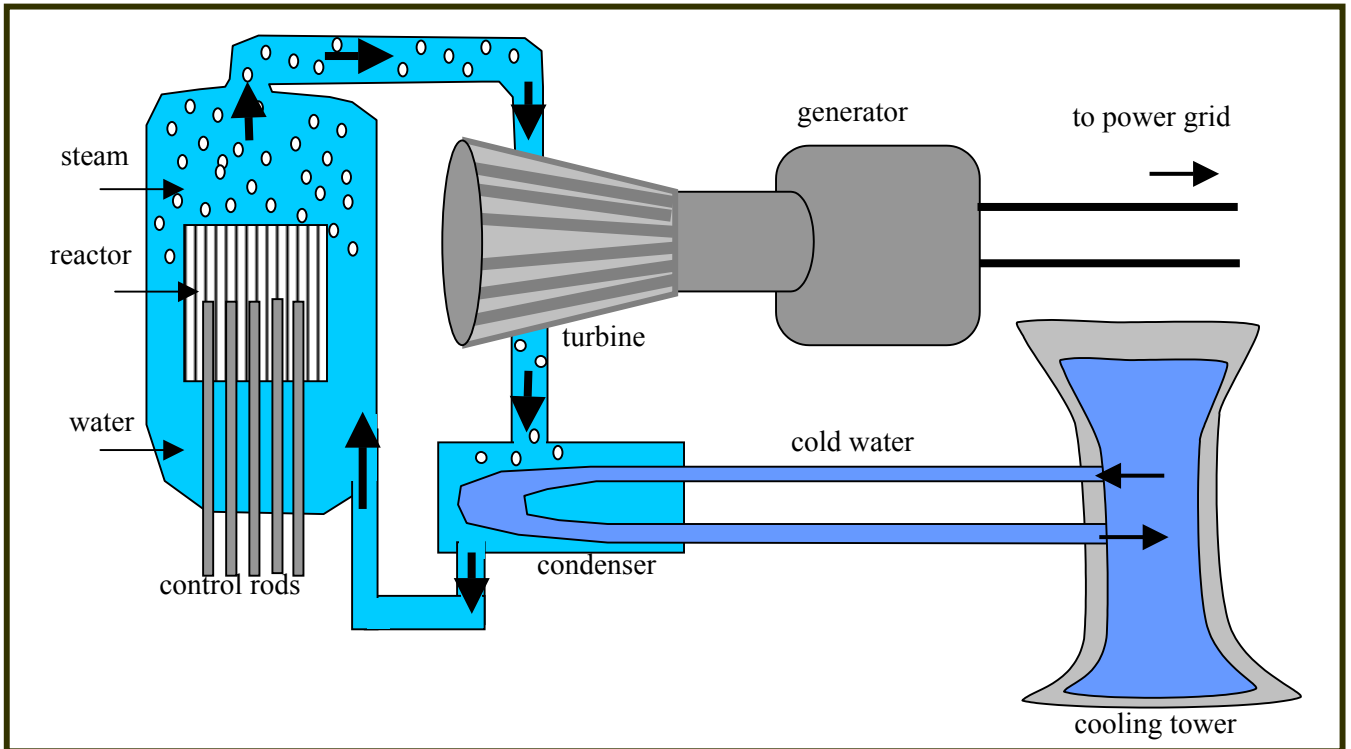
diagram showing nuclear power reactor and energy transformations

## Action

The students examine the diagram and try to understand the chain of energy transformations, and the functions of the main components.

## The Physics

See diagram below. Note that some energy is lost as heat at various stages so most of the original energy from the nuclear process is not converted to electricity. This is true of any power plant, regardless of initial energy source.



## Accompanying sheet:

**Nuclear Power Stations**

Examine the diagram showing how the reactor is used to produce electricity.

In simple terms, what is the reactor used to do?

Draw a flow chart showing the conversion of energy from mass through to electricity.