

## Nuclear reactors

 The energy not transferred to the kinetic energy stores is carried away by gamma rays

 This energy released by fission can be used to heat water, making steam turn turbines and generators

- The amount of energy produced by fission in a nuclear reactor is controlled by changing how quickly chain reactions occur

- This is done by using control rods, which are lowered/raised inside a

nuclear reactor to absorb neutrons, slow down the chain reaction and

control the amount of energy released

- Uncontrolled chain reactions lead to lots of energy released as an

explosion -> this is how nuclear weapons work