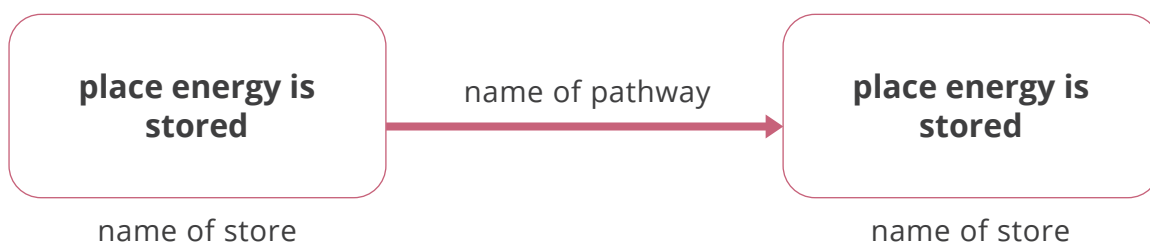


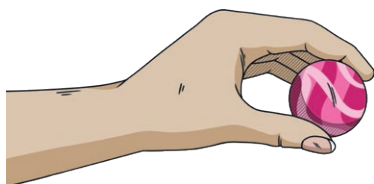
# Energy Transfer Diagrams

The diagram below shows a template for one type of energy transfer diagram.



Draw an energy transfer diagram for each of the systems shown below.

## System 1: A bouncy ball is dropped from a height.



**Start Point:** The ball is held stationary above the ground.



**End Point:** The ball is compressed as it hits the floor.

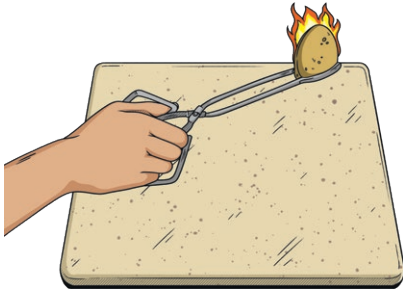
## System 2: Two magnets are pulled a short distance apart by a person.



**Start Point:** The north and south poles of the magnets are in contact.



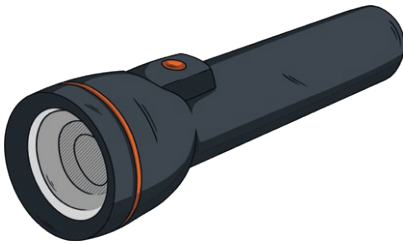
**End Point:** The north and south poles have been separated.

**System 3: A crisp is set on fire.**

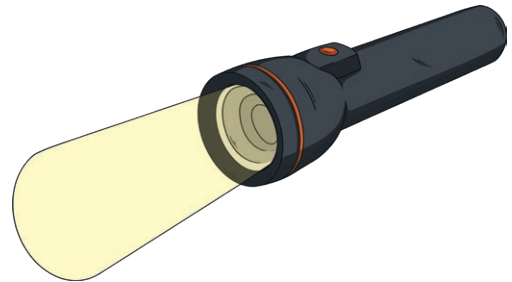
**Start Point:** The crisp has just been lit.



**End Point:** The crisp has burnt and the flame has gone out.

**System 4: A battery-powered torch is switched on.**

**Start Point:** The torch is off.



**End Point:** The torch has been on for five minutes.