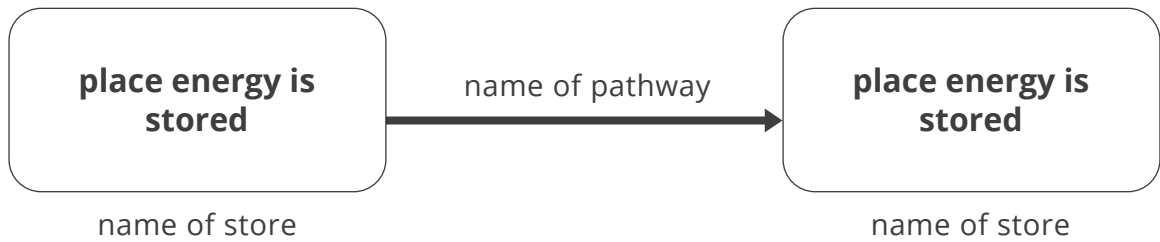


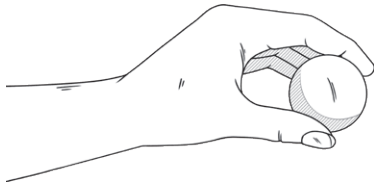
# Energy Transfer Diagrams **Answers**

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.

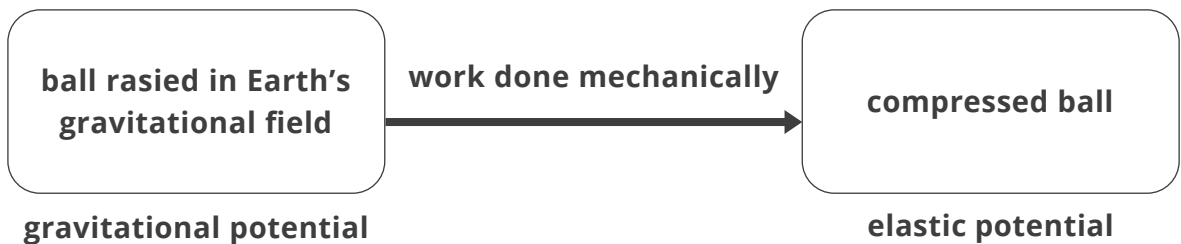
## System 1: A bouncy ball is dropped from a height.



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



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



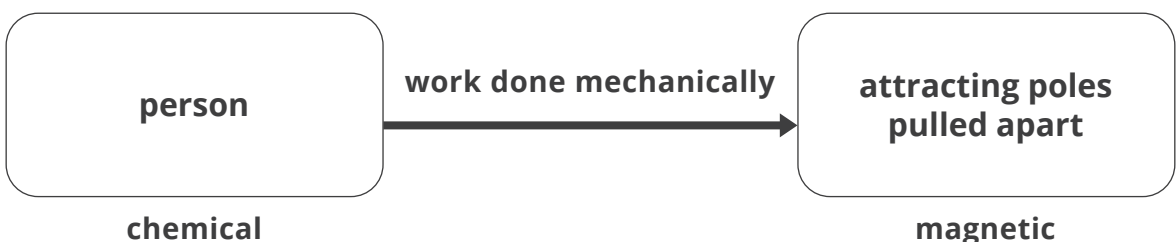
## System 2: Two magnets are pulled a short distance apart by a person.



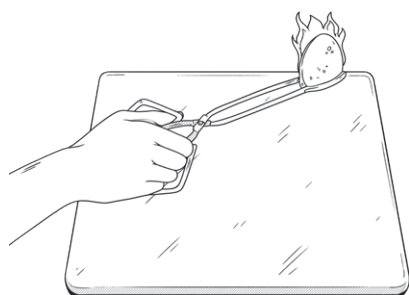
**Start Point:** The north and south poles of the magnets are in contact.



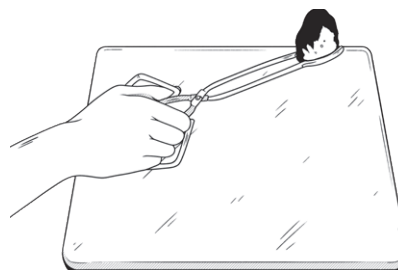
**End Point:** The north and south poles have been separated.



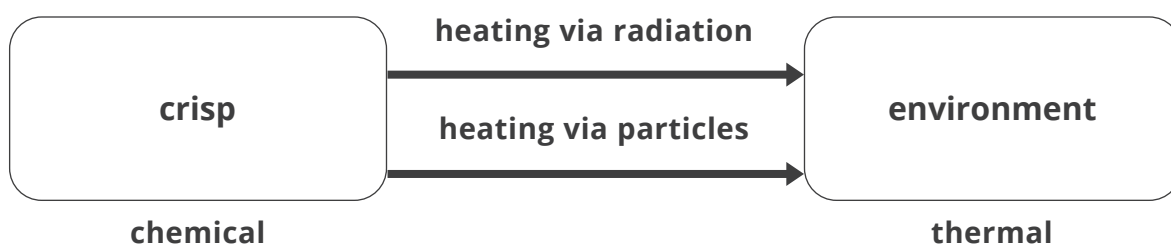
### System 3: A crisp is set on fire.



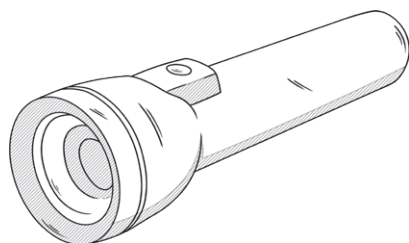
**Start Point:** The crisp has just been lit.



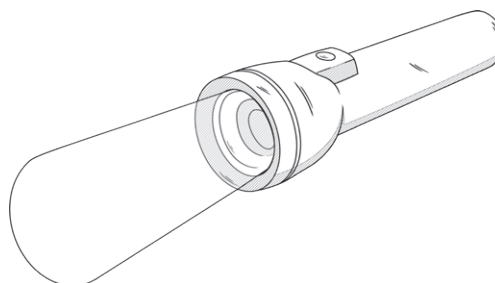
**End Point:** The crisp has burnt and the flame has gone out.



### 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.

