Energy

2. Energy transfers

CONCEPT 1

TEST YOURSELF

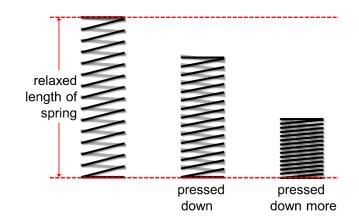
ENERGY STORES AND TRANSFERS



- Q1 Name the 8 energy stores.
- Q2 (a) Which energy store is filled with joules when an object is moving?
 - (b) Which energy store in the body is filled when we eat food?
- Q3 What type of transfer of energy takes place when you lift your school bag up off the floor?

APPLY

- Q4 Look at diagram of a spring. It shows a spring without being compressed as well as how it might look as it is pressed down.
 - (a) What energy store is being filled when the spring is pressed?



- (b) As it is pressed down and then pressed down more, what is happening the number of joules in its energy store?
- Q5 Draw a simple energy transfer diagram for the following:
 - (a) dropping an apple from a height
 - (b) powering a motor with a battery



Q6 Explain why a bouncing ball will eventually come to rest on the ground.