

a. Complete the table below about energy stores using the words or phrases from the list. Use each word or phrase once, more than once, or not at all.

moving vibrating speed up chemical spring thermal lifted up slow down

Type of store	Transferred to/from this store when...
gravitational potential	objects are lifted up
kinetic	objects slow down or speed up
Thermal	heating up or cooling down.
elastic potential	stretching a spring
Chemical potential	using a battery.

b. Name four ways of transferring energy.

- By the action of force.....
- By electricity.....
- By radiation (Light , sound).....
- By heating

c. Read the information in the box then answer the questions below.

Mina gets on her bike to meet her friend at the cinema. They walk upstairs to find their seat. The music at the start of the film is very loud. They enjoy seeing the people in the film. They go downstairs and leave the cinema. On the way home they buy some food.

Each sentence talks about an energy store or transfer. Name the store or transfer in each sentence.

- a. **Kinetic energy**.....
- b. **Kinetic energy ; gravitational potential energy**.....
- c. **Sound energy**.....
- d. **Light energy**.....
- e. **Gravitational potential energy/ kinetic energy**.....
- f. **Chemical energy**.....

Extension

a. A student is making notes about nuclear energy but is confused. Write out a correct version of her notes.
 1. The reaction that produces energy in the Sun is a chemical reaction.
 breaks down.