

Type of store	Transferred to/from this store when...
gravitational potential	objects are <u>lifted up</u> .
kinetic	objects <u>moving</u> or <u>thermal</u> .
<u>thermal</u>	heating up or cooling down.
elastic potential	stretching a <u>spring</u> .
<u>chemical</u> potential	using a battery.

b. Name four ways of transferring energy.

When talking, candle transferring thermal, musical instruments transfer sound energy to the ear, Electric kettle to heat up water.

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

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

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

- kinetic, Gravitational: Gets on her bike
- kinetic, Gravitational: walk upstairs
- Sound energy: Very loud
- kinetic, Potential: seeing the people
- kinetic: They go downstairs
- potential: buy some food

Extension

- A student is making notes about nuclear energy but is confused. Write out a correct version of her notes.
 - The reaction that produces energy in the Sun is a chemical reaction.
 - Nuclear fusion happens when uranium breaks down.
 - Nuclear fission happens when uranium combines.
 - The fuel in a nuclear power station is hydrogen gas.

b. Explain why the...