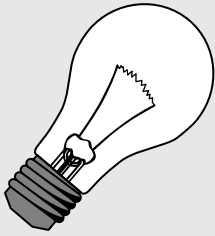
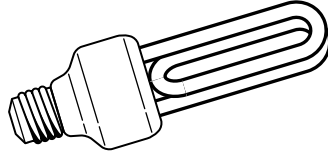


Energy-saving bulbs



100 W bulb
Lasts 1000 hours!
Only 50p each.



Produces the same
light as a 100 W bulb, but only
uses 20 W!
Lifetime of 12 000 hours.
Only £1.45 each

Use Essex Electricity

**- only 6p
per Unit**

*(You get 600 000 J
for every penny!)*

Energy-saving bulbs cost less to run, but they cost more to buy. Do you really save money by buying the energy-saving bulbs? Find out by answering the questions.



- 1 How much energy would the energy-saving bulb use in its lifetime?
(Hint: 1 W = 1 J/s.)
- 2 How much would this energy cost?
- 3 What is the total cost of using this bulb for its lifetime?
- 4 How much energy does the normal filament bulb use during its lifetime?
- 5 How much would this energy cost?
- 6 What is the total cost of using this bulb for its lifetime?
- 7 You need to buy more normal bulbs, because they do not last as long. How much would you have to spend to get the same amount of light as an energy-saving bulb would give you?
- 8 Give two reasons why energy-saving bulbs are cheaper than normal filament bulbs.

S numeracy