**Energy**

**Key Stage 3 Science**

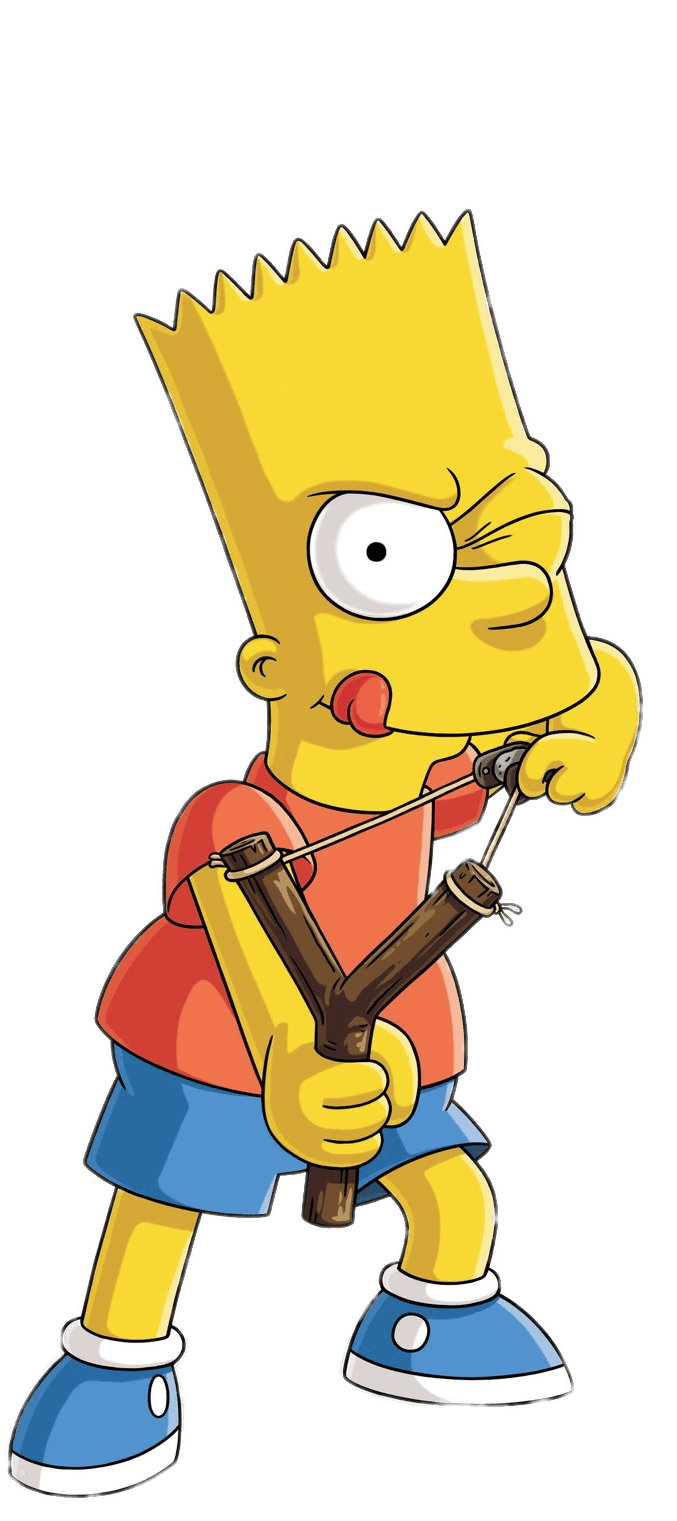
**LO: Recognise different types of energy and describe how energy can be transferred from one type to another.**

1)Some of the statements in the table are true some are false. Write the word **true** or **false** next to each statement.

|  |  |
| --- | --- |
| **Statement** | **True or False** |
| There are 9 types of energy |  |
| Energy can be created |  |
| Energy can be destroyed |  |
| Energy can be changed from one type to another. |  |
| Energy can be stored |  |

2) Label the main type of energy each of these pictures represents. Which type is missing?

[](https://www.google.co.uk/url?sa=i&url=https%3A%2F%2Ffreepngimg.com%2Fpng%2F96292-lohri-cartoon-flame-fire-for-happy-party-near-me&psig=AOvVaw1bNyZsk8iJf_UyNan15FpR&ust=1587716129043000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCOjciNGN_ugCFQAAAAAdAAAAABAD)

[](https://www.google.co.uk/url?sa=i&url=https%3A%2F%2Fwww.stickpng.com%2Fimg%2Fcartoons%2Fbart-simpson%2Fbart-simpson-shooting-a-catapult&psig=AOvVaw19Unm6v_PUsae-PewT2eeB&ust=1587716933716000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCKC20tKQ_ugCFQAAAAAdAAAAABAL)



Heat

Gravitational potential

Elastic

Nuclear

Sound

Light

Kinetic

movement

Electrical

Chemical

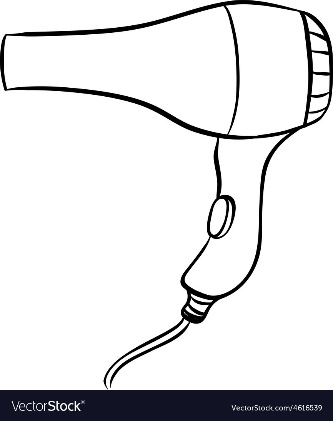
3) Label what type of energy is put in and what type or types come out.

[](https://www.google.co.uk/url?sa=i&url=https%3A%2F%2Fwww.dreamstime.com%2Froyalty-free-stock-image-reading-lamps-vector-outline-isolate-white-image33078236&psig=AOvVaw2m8VhtJRu5_sHELUMu3SDQ&ust=1587717894727000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCNCp1ZuU_ugCFQAAAAAdAAAAABAN)

Electric Light

[](https://www.google.co.uk/url?sa=i&url=https%3A%2F%2Fya-webdesign.com%2Fimage%2Fcartoon-tv-png%2F1852453.html&psig=AOvVaw15SyhodGHWmgpN9Wuxe1JD&ust=1587718166988000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCOiy3qGV_ugCFQAAAAAdAAAAABAD)

Television



Hairdryer



Jumping on a trampoline

4) This car transfers chemical energy in the petrol into other types of energy. Which energy is useful and which energy is wasted?

Sound energy

Heat energy



Petrol Car

Chemical energy

Kinetic energy

movement