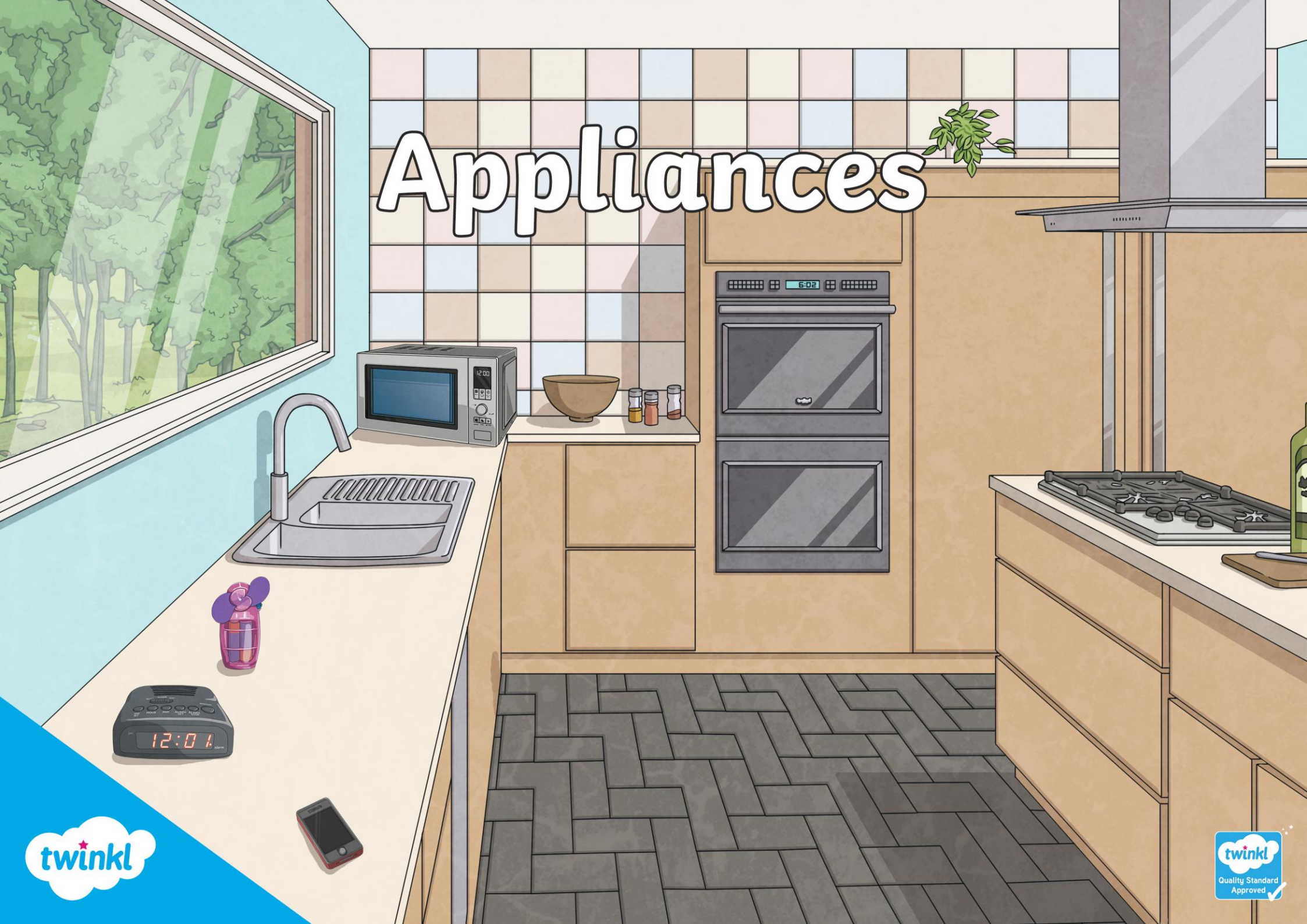


Appliances



Remember It

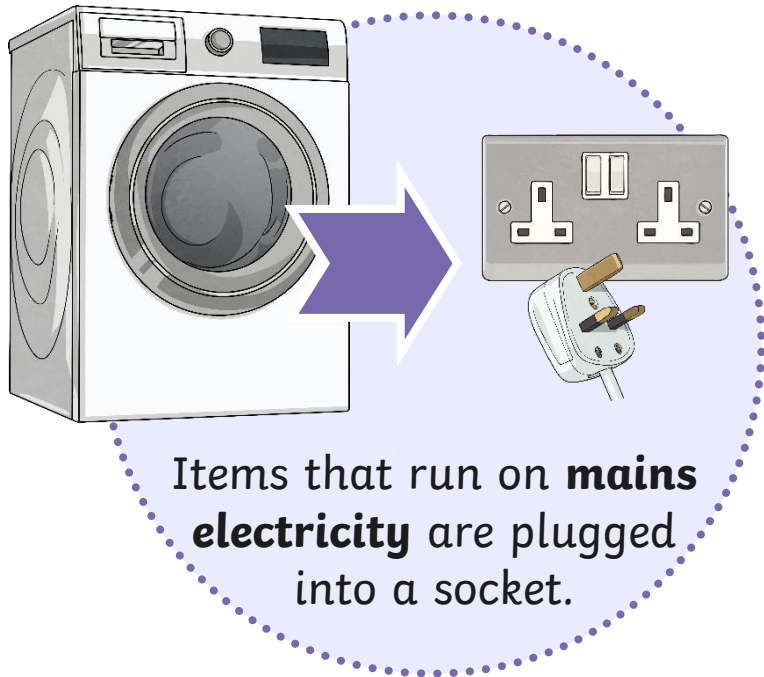
▶ This is the first time you will have studied electricity at school. However, we all use electricity in our everyday lives.

- ▶ Think about all the items at home that would not work without electricity.
- ▶ If you had to order your top five electrical items (that you would struggle to live without), what would they be?
- ▶ You have five minutes to jot down your top five items on sticky notes.

Remember It

▶ We can power electrical items in different ways:

Mains-Powered



Battery-Powered



Can you add your sticky notes into the correct column of the table for mains-powered or battery-powered?

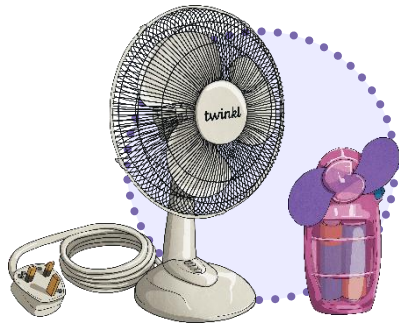
Household Appliances

What do you think we mean by 'appliance'?

Definition: An appliance is a piece of equipment or a device designed to perform a particular job.

Examples:

fan



A fan can be a **battery- or mains-powered appliance** that performs the task of cooling the user.

hairdryer



A hairdryer is a **mains-powered appliance** that dries a user's hair.

iron



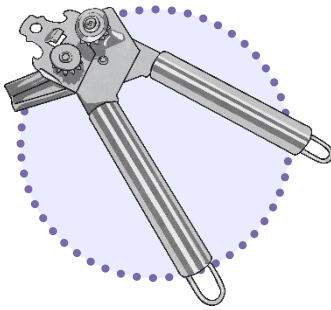
An iron is a **mains-powered appliance** that presses clothes to remove creases.

Household Appliances

- ▶ **Definition:** An **appliance** is a piece of equipment or a device designed to perform a particular job.
- ▶ Look at the definition above of an **appliance**.

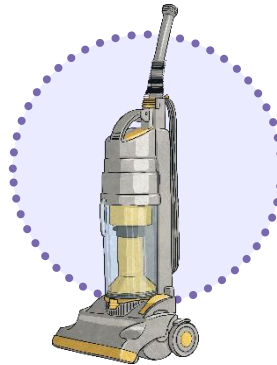
Do these household items perform a specific job?

can opener



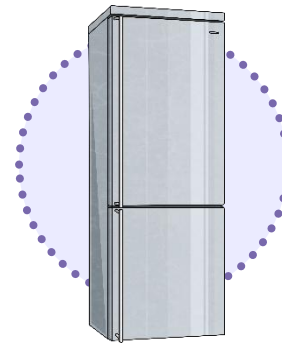
Yes. A can opener performs the task of opening cans.

vacuum cleaner



Yes. A vacuum cleaner performs the task of collecting dust and small particles from floors.

fridge



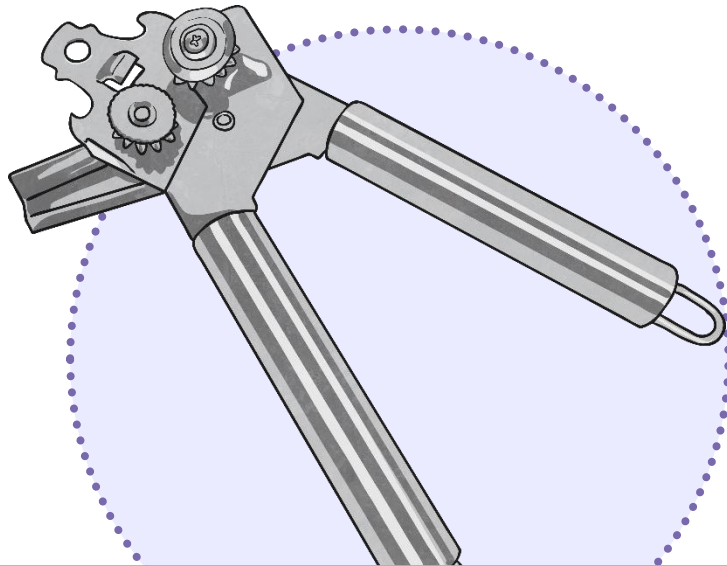
Yes. A fridge keeps food and drink cool so that they stay fresh.

Household Appliances

▶ Appliances that run on electricity are called '**electrical appliances**'.

Which of the two appliances below is an electrical appliance?

can opener



hairdryer



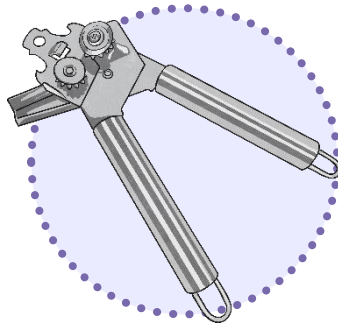
X

Can you identify common **appliances** and identify whether they run on **electricity**?



Household Appliances

can opener



- This can opener is **not** an electrical appliance.
- It is a household appliance that **does not** run on electricity.

Are there such things as electrical can openers?

hairdryer

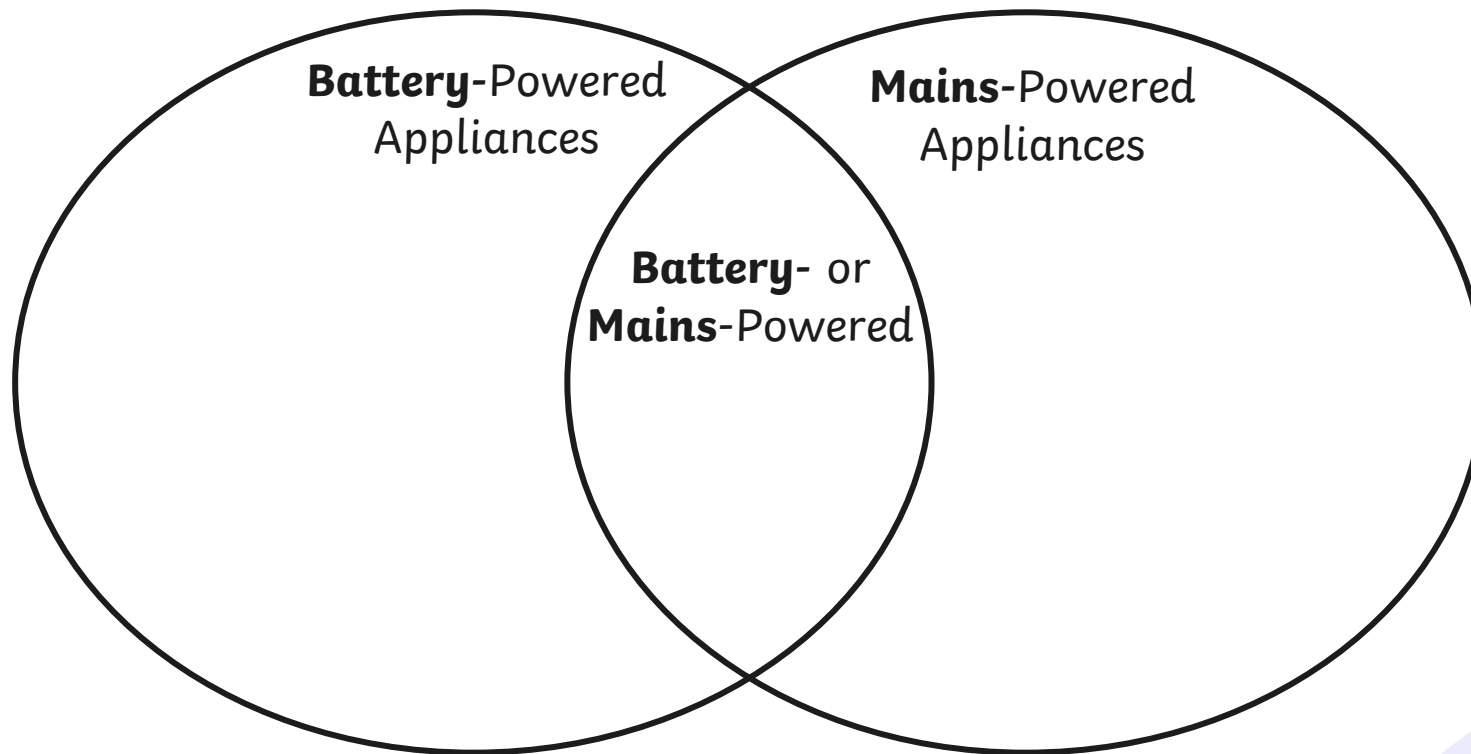


- A hairdryer **is** an electrical appliance.
- It is a household appliance that runs on electricity.

Classifying Appliances

How do you use a Venn diagram?

Non-electrical Appliances



► Play