

Smart home



What is a smart home? How smart can it be?

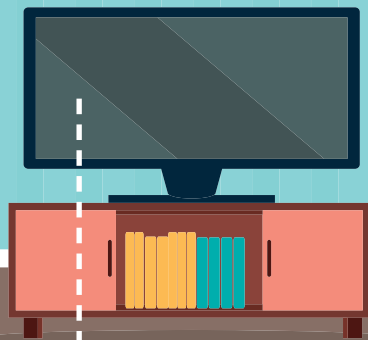
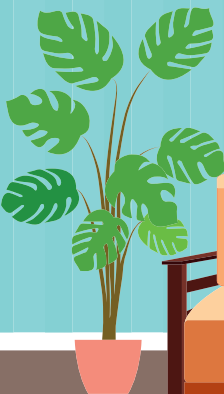
In a smart home, you can control the household appliances, e.g. the air-con and the microwave, outside your home. You only need a smartphone or a tablet to do it. Here is an example:



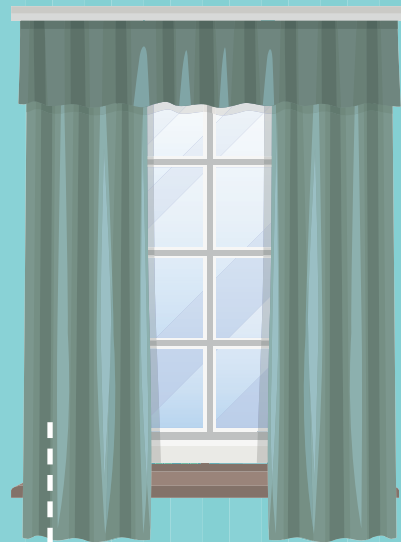
Let's see how a smart living room works.



The light is on when it is dark inside.



The TV turns on when your favourite programme is on.



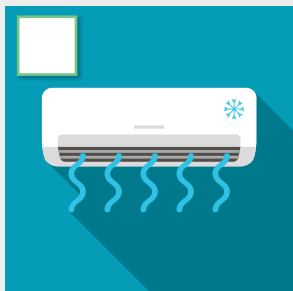
The curtains know when to open and close.



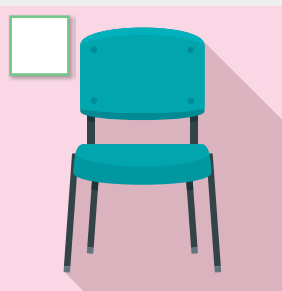
The robot cleaner cleans the floor at the times you want.

A smart home makes life easier.

In a smart home, what can't you control when you are away from home? Tick (✓).



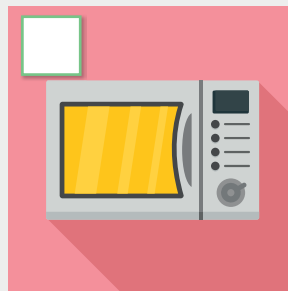
an air-con



a chair



a light



a microwave

What is the time?

It is now noon in Hong Kong. What are Ivy and her cousin doing?



Hong Kong (China)
12 p.m. (noon)

New York (USA)
12 a.m. (midnight)

Day

Night

Why is it 12 noon in Hong Kong but 12 midnight in New York?

The sun shines on only one part of the Earth at a time. When it is daytime in one place, it is nighttime in another.

There are 24 different time zones in the world. When it is 12 noon in Hong Kong, what time is it in other parts of the world?

6 a.m.

Berlin, Germany



Anne is brushing her teeth.

9:30 a.m.

New Delhi, India



Jaya is using a computer at school.

2 p.m.

Sydney, Australia



James is having a break at school.

9 p.m.

San Francisco, USA



Alex is watching TV with his parents.

Before you call your friend or cousin overseas, make sure you know what time it is there!

Which of the following is true? Tick (✓).

- 1 The sun shines on all parts of the Earth at the same time.
- 2 When it is daytime in Hong Kong, it is also daytime in New York.
- 3 When it is 12 a.m. in New York, it is 9 p.m. in San Francisco.

It is too **HOT** and too **COLD!**

The Sahara Desert



Ali

The Sahara Desert is a dry place. It is very hot during the day but cool at night. Some people live in the desert. Let's find out what that is like.

We usually wear long robes. These robes protect us from the sun and sands.

We travel by camel.



We live in tents. The tents keep us cool during the day and warm at night.

What does my dad do? He keeps animals like camels, sheep and goats.



In Greenland

It is very cold in Greenland all year round. What is it like to live there?



Anna

Some of us are hunters. We catch seals and use the skins of polar bears and reindeer to make clothes. When we go hunting, we sometimes live in igloos.



We eat walrus, reindeer and seals. We travel by sled dogs.



Are these sentences correct (✓) or not (X)? Circle.

- 1 Some people in the Sahara Desert live in tents. ✓ / X
- 2 People in the Sahara Desert travel by goat. ✓ / X
- 3 People in Greenland live in igloos all year round. ✓ / X
- 4 Some people in Greenland wear trousers made of polar bear skin. ✓ / X