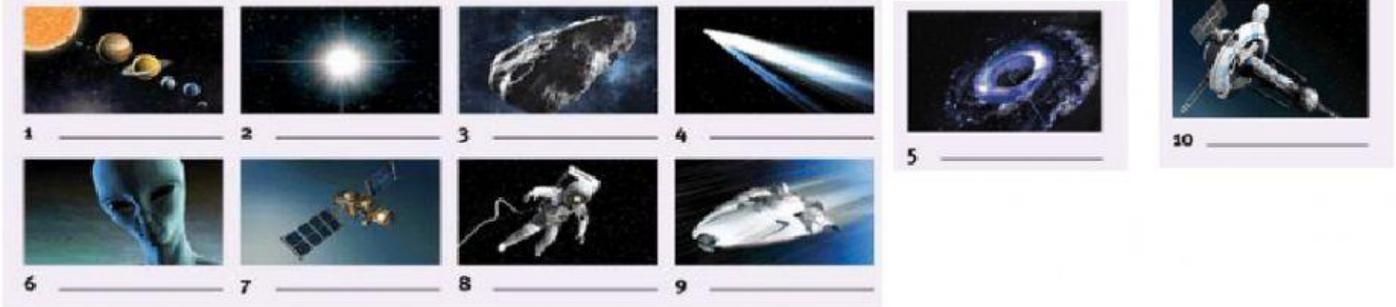


# Unit 5 How T \_\_\_ are you?

1



2

## THE SCIENCE MUSEUM

a)

¿Quién soy?. Averigua cómo tu ADN te hace diferente a los demás y cómo un científico haría un clon de tí.



b)

### JOURNEY INTO SPACE

Experimenta el espacio en 3D en nuestro cine IMAX. Viaja en una nave al planeta Marte y ve las vistas desde un satellite bordeando la tierra



d)

observa una turbina de viento y un panel solar producir electricidad y ve lo que ocurre a una batería cuando la tiras

e)

### THE SECRETS OF MEDICINE

¿Cómo un científico encuentra una cura para una enfermedad?. ¿Y cómo puede una vacuna hacer que no enfermes? Windows

## 3 Amazing Predictions?

1

'There is no reason anyone would want a computer in their home.' (1977, Ken Olsen, founder of the Digital Equipment Corporation)

The truth is that in 1977, computers were too big to fit into most homes! Nowadays, they are much smaller and most **households** contain at least one – often more – of these useful machines!

4

Women in the future will be 'more than 6 feet (1.8 metres) tall' (Dorothy Roe, 1950).

This prediction may **come true** one day because women's (and men's) height is increasing. For example, an 18-year-old Spanish girl nowadays is about 12 centimetres taller than a girl of the same age 100 years ago!

3

In ten years people in cities 'will have to wear gas masks to survive air pollution.' (1970, Life magazine)

It's true that air pollution in big cities causes health problems like **asthma** and around 3 million people a year now die from it. Some people even wear masks to prevent them breathing in **harmful** gases. You can see them in cities like Beijing, Delhi and Bangkok.



2

The common cold 'will be only a memory by the year 2000,' (Dr Lowry McDaniel, 1955)

Unfortunately, people nowadays still **catch colds** as often as they did in the past. We now have effective treatments for many serious diseases, but we still don't have a cold vaccine!

5

In the future, there will be cars that will 'float through the air.' (Bruce Williams, 1962)

The idea of a flying car, especially one without an engine, sounds too good to be true – and at the moment it is. One company is now working on the design of the world's first 'aerocar', however. The bad news is that it will still use petrol like today's cars.

complete the sentences. 39

- 1 Computers nowadays are ... than they were in the 1970s.
- 2 The ... about the 'aerocar' is that it will still contaminate the air.
- 3 There is no ... for the cold although there are treatments for other diseases.
- 4 Places where people wear masks because of air pollution include ...
- 5 Women and men ... now than 100 years ago.

Answer the questions.

- 1 How are computers nowadays different from computers in the 1970s?
- 2 Do you think that the 'aerocar' will continue to have an engine? Why / Why not?
- 3 According to the text, do fewer people catch a cold now than in the past?
- 4 Find an example of a health problem


- that air pollution causes.
- 5 How much taller is an 18-year-old girl in Spain now compared with 100 years ago?

## 5 Will/won 't

- 1 People ... stop smoking.
- 2 Trees ... disappear completely.
- 3 E-books ... replace paper books.
- 4 Crime ... increase.
- 5 Computers ... become cheaper.






## 6 THE EXPLODING BAG!

In the school (!)... you can try this fun experiment!  
 You will need the following equipment:





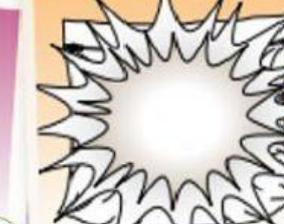


You will need the following equipment:

Una bolsa de cierre de cremallera

Una jarrita con medida

Agua tibia / vinagre y bicarbonato



Primero, se pone 100 ml de agua tibia y 200 ml de vinagre dentro de la bolsa. La temperatura no debe ser más de 60º

Después, añade 3 cucharadas de bicarbonato a la bolsa del líquido

Cierra rápido la bolsa con el cremallera. Observa cómo un gas llamado dióxido de carbono se produce dentro de la bolsa. ¿Ves las burbujas?

Ahora aquí está la parte divertida. La bolsa crecerá y crecerá hasta que explote

**13** If I win the lottery, \_\_\_\_\_

**14** Making a time capsule

What and why are they going to make it?	
How are going to do it?	
On Wednesday they have to ...	

**15** MAKING SUGGESTIONS

1.

2.

1.

2.

3.

## 16 Writing

An opinion essay

### Will people ever live on the Moon?

- A Many people like the idea of going on holiday to the Moon, but will anyone actually live there in the future? Scientists have different opinions on this subject.
- B On the one hand, the number of people on Earth is growing and we are destroying our natural environment. If we aren't careful, one day we won't have any food or energy. If this happens, we will need to find a new place to live.
- C On the other hand, the Moon isn't a very comfortable place for human beings. There isn't any air or water, and the temperature is too hot or too cold. Maybe we will be able to improve conditions on the Moon, but it will be very difficult.
- D In conclusion, I don't think people will ever live on the Moon. In my opinion, the Earth is a better place for human beings.

A)

B)

C)

D)