

WHEN YOU GROW UP...



... what will the world be like? Scientists and thinkers have puzzled over that question. Hundreds of years ago, writers imagined a future where people lived easy lives, doing what they wanted to, buying what they wanted without money.

Before you were born, scientists predicted that the earth would soon be covered in ice. Others predicted that the ice would all melt.

Those predictions did not come to pass. The truth is that the future is a mystery. And here's the exciting part: You will live there one day!

When you are a grown-up, what will life be like? No one can be sure, but many very smart people have some interesting ideas.

3D PRINTED FOOD

Feel like a pizza? Print one! Yes, in the future, when you need to feed your kids, you might cook up a pizza on a 3D printer. NASA is currently experimenting with 3D food printers to use in space.

Here on earth, 3D printers are already being used, but they are very expensive and don't prepare a lot of different foods. By the time you are a grown-up, 3D food printers will be as common as microwave ovens. And you'll be able to add extra cheese.

YOUR HOME WILL BE YOUR DOCTOR

Paying for health care is expensive. When you grow up, you will pay taxes to pay for that care. To help keep costs low, your home will be filled with tools that keep an eye on your health. Your toothbrush will test your saliva. Your toilet will test your, ahem, deposits.

Of course, your watch will also tell you how your heart is doing. All of this testing will help find health problems before they become too serious. They will tell you when you need to see a human doctor and when you just need to take a breath and relax.

WHEN YOU DO NEED A DOCTOR

In the future, you might get treated by tiny robots or a robot suit.

Nanotechnology is, simply put, using very tiny particles to do a job. For example, some sunscreens use nanoparticles to protect your skin. In the future, doctors will be

able to use these wee little particles to make machines that treat disease or fix wounds. Other types of treatment are big.

Right now, doctors are creating mechanical suits that can act like legs or arms. People who have spine injuries will be able to move the suit just by thinking. Soldiers injured in war or kids damaged in accidents will finally be able to stand, walk or even play soccer.

HEADING TO THE FARM—IN AN ELEVATOR

As an adult, you might decide to be a farmer. You don't go to the field in a truck—you take an elevator. That's because farms are being created in high-rise buildings. Some crops are grown on the side of the building. This is called "vertical farming" and people are doing it now. From vegetables to meat, almost any food can be grown inside these buildings.

If you want to be a farmer, you better get used to heights.

THE HARDEST PART OF THE FUTURE?

Being Human.

Technology is great. Everyone has a phone that connects them to friends and facts and fun games. All that technology is causing problems. Kids and adults alike find it hard to visit face-to-face.

People who get along using text messages can feel awkward when they try to meet in person. In the "old days," men and women fell in love by meeting and getting to know one another. Now, adults go through lists of information to learn about a person they like.

Also, too much technology can make thinking harder. In the future, you could find life a struggle when technology breaks down. You could feel anxious without a phone in your hand.

The best way to make sure that you enter the future strong, smart and able to enjoy the world is to live in reality. Exercise, visit people, get your parents to show you how to do things rather than look it up on your computer. When the future arrives, you'll be ready to make it whatever you want it to be.

Questions 1–13 are about the article entitled *When You Grow Up...*

1 What is the question that this article seeks to answer?

1 mark

2 Look at the first paragraph.

Complete the table below with **one** piece of evidence from the article to support each statement.

	Evidence
People in the past have been wrong about the future.	
The article is written specifically for children.	

2 marks

3 *Yes, in the future, when you need to feed your kids, you might cook up a pizza on a 3D printer.*

This suggests that...

Tick **one**.

this will definitely happen.

this might happen.

pizza will be made of plastic.

only children will eat pizza.

1 mark

4 *By the time you are a grown-up, 3D food printers will be as **common** as microwave ovens.*

What is the meaning of the word *common* in this sentence?

1 mark

WHEN YOU GROW UP...



... what will the world be like? Scientists and thinkers have puzzled over that question. Hundreds of years ago, writers imagined a future where people lived easy lives, doing what they wanted to, buying what they wanted without money.

Before you were born, scientists predicted that the earth would soon be covered in ice. Others predicted that the ice would all melt.

Those predictions did not come to pass. The truth is that the future is a mystery. And here's the exciting part: You will live there one day!

When you are a grown-up, what will life be like? No one can be sure, but many very smart people have some interesting ideas.

3D PRINTED FOOD

Feel like a pizza? Print one! Yes, in the future, when you need to feed your kids, you might cook up a pizza on a 3D printer. NASA is currently experimenting with 3D food printers to use in space.

Here on earth, 3D printers are already being used, but they are very expensive and don't prepare a lot of different foods. By the time you are a grown-up, 3D food printers will be as common as microwave ovens. And you'll be able to add extra cheese.

YOUR HOME WILL BE YOUR DOCTOR

Paying for health care is expensive. When you grow up, you will pay taxes to pay for that care. To help keep costs low, your home will be filled with tools that keep an eye on your health. Your toothbrush will test your saliva. Your toilet will test your, ahem, deposits.

Of course, your watch will also tell you how your heart is doing. All of this testing will help find health problems before they become too serious. They will tell you when you need to see a human doctor and when you just need to take a breath and relax.

WHEN YOU DO NEED A DOCTOR

In the future, you might get treated by tiny robots or a robot suit.

Nanotechnology is, simply put, using very tiny particles to do a job. For example, some sunscreens use nanoparticles to protect your skin. In the future, doctors will be

able to use these wee little particles to make machines that treat disease or fix wounds. Other types of treatment are big.

Right now, doctors are creating mechanical suits that can act like legs or arms. People who have spine injuries will be able to move the suit just by thinking. Soldiers injured in war or kids damaged in accidents will finally be able to stand, walk or even play soccer.

HEADING TO THE FARM—IN AN ELEVATOR

As an adult, you might decide to be a farmer. You don't go to the field in a truck—you take an elevator. That's because farms are being created in high-rise buildings. Some crops are grown on the side of the building. This is called "vertical farming" and people are doing it now. From vegetables to meat, almost any food can be grown inside these buildings.

If you want to be a farmer, you better get used to heights.

THE HARDEST PART OF THE FUTURE?

Being Human.

Technology is great. Everyone has a phone that connects them to friends and facts and fun games. All that technology is causing problems. Kids and adults alike find it hard to visit face-to-face.

People who get along using text messages can feel awkward when they try to meet in person. In the "old days," men and women fell in love by meeting and getting to know one another. Now, adults go through lists of information to learn about a person they like.

Also, too much technology can make thinking harder. In the future, you could find life a struggle when technology breaks down. You could feel anxious without a phone in your hand.

The best way to make sure that you enter the future strong, smart and able to enjoy the world is to live in reality. Exercise, visit people, get your parents to show you how to do things rather than look it up on your computer. When the future arrives, you'll be ready to make it whatever you want it to be.

5

Look at the section headed: **Your Home Will Be Your Doctor.**

What is the purpose of this section?

1 mark

6

Look at the section headed: **When You Do Need A Doctor.**

Give two ways you might receive medical treatment in the future:

1. _____

2. _____

2 marks

7

Why are doctors creating mechanical arms and legs?

Tick **two**.

to protect your skin.

to help wounded soldiers.

to treat disease.

for injured children.

1 mark

8

Look at the section headed: **Heading To The Farm - In An Elevator.**

Find and copy a group of words that shows that vertical farming already happens:

1 mark

9

Look at the section headed: **The Hardest Part of the Future.**

(a) Tick one box in each row to show whether each of the following is something, according to the article, you should or shouldn't do in the future:

	Should do	Shouldn't do
Communicate via text message only.		
Get enough exercise.		
Visit people.		
Look everything up on your computer.		

(b) According to the article, what is the best way to enjoy the world in the future?

2 marks

10

Look at the section headed: **The Hardest Part of the Future.**

This section of the article suggests that in the future people might...

Tick **one**.

need technology more than people.

rely too much on technology.

try to live without technology.

think technology is bad.

1 mark

11

Look at the whole text.

Complete the table below to show what the text says about which things are already happening and which things will happen in the future:

Already happening	Will happen in the future
1. _____ _____	1. _____ _____
2. _____ _____	2. _____ _____

2 marks

12 Give one example of the use of informal language in this article.

1 mark

13 The article suggests that children need to be ready for the future.

Give **two** ways from the article that you could ready yourself for the future:

1. _____

2. _____

2 marks