

**Science UK: Animation and artificial intelligence – exercises**

Do the preparation task first to help you with the difficult vocabulary. Then read the article and do the exercises to check your understanding.

**Preparation: matching**

Match the vocabulary with the correct definition and write a–h next to the numbers 1–8.

- |                             |   |
|-----------------------------|---|
| 1..... an app               | a. the natural home of an animal or plant   |
| 2..... a device             | b. a computer simulation that makes you feel you are physically inside a game world and can walk around in it |
| 3..... a headset            | c. in three dimensions  |
| 4..... 3D                   | d. a machine which cools things by blowing cold air   |
| 5..... a habitat            | e. a program, especially on a phone or tablet   |
| 6..... a smartphone         | f. an object, machine or piece of equipment   |
| 7..... a fan                | g. a mobile phone which can do many things that a computer can do   |
| 8..... virtual reality (VR) | h. a piece of equipment that you wear on your eyes, ears or head  |

**1. Check your understanding: multiple choice**

Circle the correct option to complete the sentences.

- The new app will ...
  - make people feel like they are swimming in an ocean.
  - help people to learn how to swim.
  - only be for people who can already swim.
- Animators at Disney studios were encouraged to ...
  - take courses in animal behaviour.
  - bring animals into their workplace.
  - do work in zoos.
- Dr Llyr ap Cenydd ...
  - works as both a computer scientist and a biologist.
  - had little interest in animation when he was young.
  - found it difficult to choose a career.
- It was difficult to make the technology work on a smartphone because ...
  - smartphones get hot too quickly.
  - smartphones cool down too quickly.
  - it is very expensive to put complicated technology in a smartphone.

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5. In Ocean Rift, dolphins were difficult to create because ...
- a. they swim very fast.
  - b. they swim close to humans.
  - c. they look very closely at fish under water.
6. Now that the app works on a smartphone, ...
- a. it will be difficult to transfer it onto a computer.
  - b. the computer version can be made more complex.
  - c. it will not be possible to use it on a PlayStation.

**2. Check your vocabulary: gap fill**

Complete the second sentence so that it has a similar meaning to the first sentence, using the word given in CAPITAL LETTERS. Use a maximum of five words.

1. There is a long history connecting science and animation.

HAVE

Science and animation \_\_\_\_\_ a long time.

2. Disney encouraged its animators to visit zoos.

ENCOURAGED

Disney animators \_\_\_\_\_ to visit zoos.

3. 'I've always been fascinated how animation works,' said Llyr.

HE

Llyr said \_\_\_\_\_ fascinated how animation works.

4. In Ocean Rift, the animals are not animated like in a Disney movie.

SAME

The animation of animals in Ocean Rift \_\_\_\_\_ in a Disney movie.

5. The dolphin was the most challenging creature to animate.

MORE

The dolphin was \_\_\_\_\_ any other creature.

6. Samsung are releasing the Gear VR Innovator Edition in December.

WILL

The Gear VR Innovator Edition \_\_\_\_\_ in December.