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#### Vocabulary: Innovation 词汇：创新

We've landed on the moon and sent **spacecraft** to Mars. But how would you like to take a stroll around the red planet itself, having a closer look at the rocky **Martian** surface from all angles?

Well, for those of us who can't afford our own rocket ship, experiences like this are now a '**virtual**' step closer, thanks to AR technology.



The letters stand for '**augmented** reality', and even if it's not the most beautiful phrase in English, a lot of people in **Silicon Valley** think it will be **the next big thing** in tech. *Travel the world from your sofa*

AR refers to the process of displaying digital information on top of the physical world using an electronic device. The device could be a pair of smart glasses, a **tablet** or even a humble smartphone. And unlike 'virtual reality', or VR, users can physically move around and explore the digital world, instead of being restricted to a small area. This is particularly exciting for businesses.

Alex Kipman is the creator of the HoloLens – a **headset** which allows people to see and interact with **holograms**. During the 2016 TED Conference he even '**teleported**' a hologram of a NASA scientist onto the stage with him, a stage which was transformed into a virtual Martian landscape.

In time, AR **advocates** hope it will allow us to interact with a whole world that is **enhanced** by multimedia provided by very clever computers – transforming not only business, but also fields like healthcare. A doctor could see patients around the world from the comfort of her own home.

Not everyone is convinced that either the technology or the world **at large** is ready. Google's **pioneering** pair of smart glasses, Google Glass, were deemed a "fascinating failure" by the BBC's technology correspondent.

And Kipman himself thinks we still have a long way to go before AR **reaches its potential**: "We will look back at this decade as being like **cavemen** in terms of technology," he said.

## 词汇表

<b>spacecraft</b>	宇宙飞船
<b>Martian</b>	火星的
<b>virtual</b>	(双关语) 几乎的, 虚拟的
<b>augmented</b>	增强、扩增的
<b>Silicon Valley</b>	(美国) 硅谷
<b>the next big thing</b>	下一个 (将要来临的) 大事
<b>tablet</b>	平板电脑
<b>headset</b>	(头戴式) 耳机
<b>holograms</b>	全息图 (一种三维图像)
<b>teleported</b>	(利用特殊技术) 远距离及时传输
<b>advocates</b>	倡导者
<b>enhanced</b>	(被) 增色, 提高
<b>at large</b>	整体上, 普遍的
<b>pioneering</b>	首创的, 先驱性的
<b>reaches its potential</b>	充分释放、发挥它的潜力
<b>cavemen</b>	(史前时代的) 穴居人

## 测验与练习

### 1. 阅读课文并回答问题。

1. Do Silicon Valley entrepreneurs think AR is the biggest thing in tech?
2. What is the main difference between AR and VR?
3. True or false: A NASA scientist stood on stage with Alex Kipman.
4. Which short word meaning 'technology' was used in the article?
5. What does Alex Kipman compare our stage of technological development to?

### 2. 请你在不参考课文的情况下完成下列练习。选择一个意思合适的单词填入句子的空格处。

1. The \_\_\_\_\_ surface is very hot and dry.

Martian	caveman	Silicon Valley	Mars
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2. Many things are possible in \_\_\_\_\_ that you can't do in the real world.

enhanced	hologram	virtual	augmented
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3. The policy was introduced six months ago but its benefits haven't been felt by the population \_\_\_\_\_.

cavemen	potential	pioneering	at large
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4. Devices such as headsets, \_\_\_\_\_ and smartphones can be used to experience AR.

tablet	hologram	tablets	holograms
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5. You have to work hard if you want to \_\_\_\_\_.

reach potential	reach your potential	reaches its potential	reaching your potential
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## 答案

### 1. 阅读课文并回答问题。

1. Do Silicon Valley entrepreneurs think AR is the biggest thing in tech?

**Many believe it's the 'next big thing', so although it's not there yet, it will become very important.**

2. What is the main difference between AR and VR?

**AR allows people to move around the physical world while experiencing a virtual world, while VR restricts peoples' movement in the physical world.**

3. True or false: A NASA scientist stood on stage with Alex Kipman.

**False. A hologram of a NASA scientist was on stage with Alex Kipman.**

4. Which short word meaning 'technology' was used in the article?

**Tech.**

5. What does Alex Kipman compare our stage of technological development to?

**He says we're like "cavemen", which means a very limited stage of development.**

2. 请你在不参考课文的情况下完成下列练习。选择一个意思合适的单词填入句子的空格处。

1. The **Martian** surface is very hot and dry.

2. Many things are possible in **virtual** that you can't do in the real world.

3. The policy was introduced six months ago but its benefits haven't been felt by the population **at large**.

4. Devices such as headsets, **tablets** and smartphones can be used to experience AR.

5. You have to work hard if you want to **reach your potential**.