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Print Your Own Lunch
轻松打印美味佳肴

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Is 3D Food Printing the Future of Cooking? 3D食物打印机替你下厨？

Read the text below and do the activity that follows.
阅读下面的短文，然后完成练习：

Lunchtime in the office. Perhaps you've brought some of last night's **leftover stir-fry** from home, or some takeaway dumplings from a stall. Or perhaps you're sitting around the printer with your colleagues, waiting for it to produce some tasty **sushi**...

Sushi from a printer? It might sound **far-fetched**, but scientists in the field of 3D printing are working on technology that allows you to 'print' real, **edible** food. The team from Cornell University in the US hope their machine will one day be as **commonplace** as the microwave oven or **blender**.

So how does it work? Instead of having **cartridges** filled with various coloured inks, the 3D food printer has rows of **syringes** filled with different ingredients. It then deposits these food inks line by line, and layer by layer, according to the **electronic recipe**, until the finished product is made.

So far the team have made biscuits, cakes and even a **scallop**-based snack in the form of a **space shuttle**.

Chef Homaro Cantu, who has printed sushi using an inkjet printer, thinks the technology could also be good for the environment.

"Imagine being able to essentially 'grow', 'cook' or prepare foods without the **negative industrial impact** - everything from **fertilisers** to **sauté pans** and even packaging. The **production chain** requirements for food would nearly be **eliminated**."

He believes that the technology could **revolutionise** the way we eat, and even bring people closer together.

"3D printing will do for food what e-mail and **instant messaging** did for communication," says Mr Cantu. "What if you could have Mum's **homemade** apple pie sent via e-mail and printed up at home? Her apple pie becomes as close as an instant message on Facebook."

Whether or not the technology is successful will surely depend on what the food tastes like. As they say, **the proof of the pudding is in the eating**.

Glossary 词汇表

leftover stir-fry – 剩的炒菜	**sushi** – 寿司
far-fetched – 不靠谱的	**edible** – 可以食用的
commonplace – 平常的	**blender** – （食物）搅拌机
cartridges – 墨盒	**syringes** – 注射器
electronic recipe – 电子食谱	**scallop** – 扇贝
space shuttle – 太空飞船	**negative industrial impact** – 负面工业影响
fertilisers – 肥料	**sauté pans** – 平底煎锅
production chain – 生产链	**eliminated** – 消除
revolutionise – 使彻底变革	**instant messaging** – 即时信息
homemade – 自制的	**the proof of the pudding is in the eating** – 空谈不如实践

1. Reading Quiz 阅读测验

Are these sentences true or false? Circle the correct answer.

以下句子哪句是真?哪句是假？请圈出正确答案。

1. Scientists in the US are developing 3D food printers.
   True / False

2. They hope the printers will become widely used.
   True / False

3. Scientists have succeeded in printing a space shuttle that can fly.
   True / False

4. Homaru Cantu thinks the technology will be bad for the environment.
   True/ False

5. Ingredients will be a mix of traditional printing ink and real food.
   True / False

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2. Printing Phrases 与打印有关的短语

a) Match the phrases to do with printing on the left with their definitions on the right.

请把左边的短语与其正确的解释连线。

1.	to print something out	a.	offered for sale by the publisher
2.	a printout	b.	a document which has been printed
3.	in print	c.	no longer offered for sale by the publisher
4.	out of print	d.	important part of a document which may be hard to read because of the small size
5.	small print	e.	to print a document from a printer

b) Now complete the sentences below by using one of the phrases above.

现在用上面的短语来完成下列句子：

6.   Wait a moment, I need to _____ the document _____ before the meeting.

7.   Sorry sir, we no longer have that book. It's _____.

8.   Even though Chaucer died 600 years ago, his books are still _____.

9.   You have to read the _____ before you sign that contract, otherwise you might miss something important.

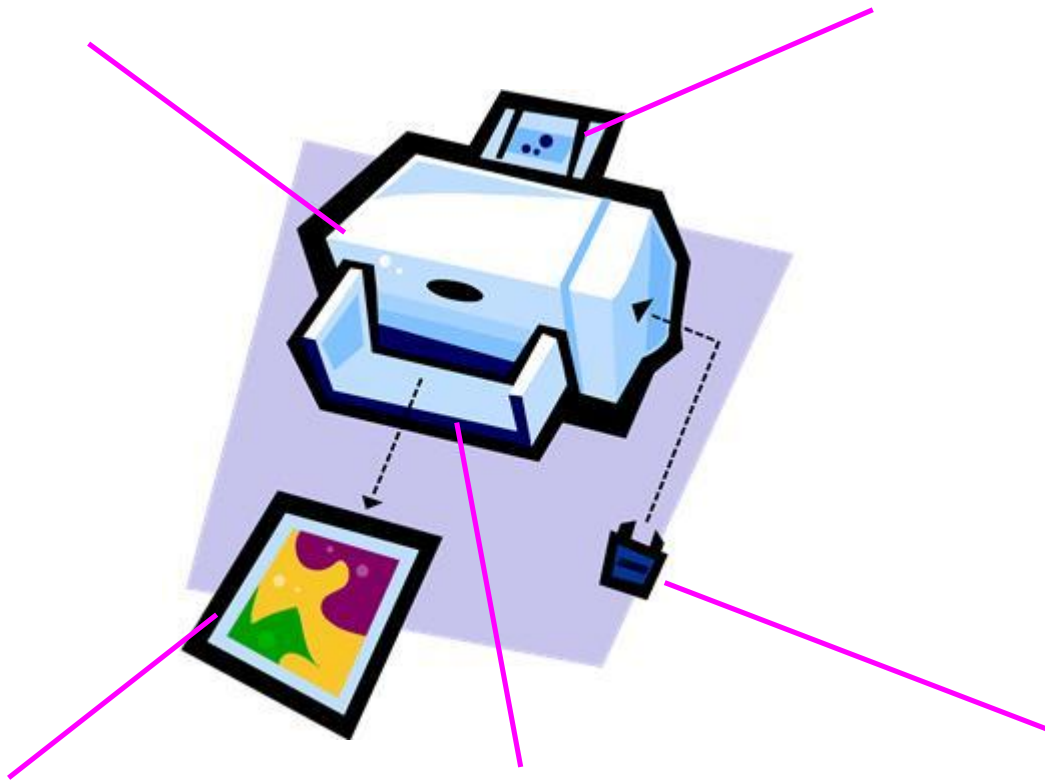10.   Did you take _____ of the document? I need to check something.

3. Label the Picture 看图注字

Label the parts of the picture with vocabulary from below.

请参考图片，把方框中的单词填入对应的横线上。

1. _____   2. _____

3. _____   4. _____   5. _____

printout	printer	cartridge	input tray	output tray

4. Wordsearch 单词搜索

Try to find the words associated with this week's article in the puzzle below.

There are ten words to find. Words can be written horizontally (g), vertically (i) or diagonally (m)

请在下面的字谜游戏中，找出与本文有关的英语单词来。

共有**10**个单词，其组成方式可能以水平的 (g) 垂直的 (i) 或对角的 (m) 形式出现。

a	l	l	i	w	a	s	t	i	r	f	r	y
r	e	v	o	l	u	t	i	o	n	i	s	e
t	f	o	r	c	h	r	i	s	m	c	y	s
h	o	m	e	m	a	d	e	i	s	a	r	s
p	e	c	i	s	a	l	d	k	i	r	i	d
o	f	f	o	u	o	d	i	b	l	t	n	d
e	r	c	a	s	b	l	b	l	e	r	g	a
f	a	b	a	h	t	l	l	h	o	i	e	h
m	e	p	r	i	n	t	e	r	w	d	i	c
h	c	a	n	m	a	k	e	n	w	g	n	d
e	r	f	h	o	e	e	m	a	d	e	u	l
d	i	s	c	a	l	l	o	p	h	e	e	s
f	o	r	y	o	u	a	n	m	e	i	r	n

revolutionise   printer   cartridge   syringe   sushi

scallop   blender   edible   stir-fry   homemade

Answers 答案

1. Reading Quiz 阅读测验

1. Scientists in the US are developing 3D food printers.   **True**

2. They hope the printers will become widely used.   **True**

3. Scientists have succeeded in printing a space shuttle that can fly.   **False**

4. Homaru Cantu thinks the technology will be bad for the environment.   **False**

5. Ingredients will be a mix of traditional printing ink and real food.   **False**

2. Printing Phrases 与打印有关的短语

1. e
2. b
3. a
4. c
5. d

6. Wait a moment, I need to <u>print</u> the document <u>out</u> before the meeting.

7. Sorry sir, we no longer have that book. It's <u>out of print</u>.

8. Even though Chaucer died 600 years ago, his books are still <u>in print</u>.

9. You have to read the <u>small print</u> before you sign that contract, otherwise you might miss something important.

10. Did you take <u>a printout</u> of the document? I need to check something.

3. Label the Picture 看图注字

1. printer

2. input tray

3. printout

4. output tray

5. cartridge

4. Wordsearch 单词搜索

					s	t	i	r	f	r	y
r	e	v	o	l	u	t	i	o	n	i	s	e
									c	y	
h	o	m	e	m	a	d	e		a	r	
			s		d			r	i		
			u		i			t	n		
			s	b		b		r	g		
			h	l		l		i	e		
	p	r	i	n	t	e	r		d		
						n		g		
						d	e		
	s	c	a	l	l	o	p		e	
								r	