

U2_Extra

A Find 20 words from this unit in the wordsearch. Check the definitions of any you can't remember.

T	Y	B	W	E	F	Z	T	O	R	G	A	N	C	L
E	R	R	Y	F	V	R	E	S	Z	U	E	I	T	R
C	E	E	I	P	A	L	N	B	C	V	R	O	I	T
H	G	A	U	E	A	I	A	A	B	C	E	A	S	R
N	R	K	H	E	U	S	R	V	U	C	D	I	S	A
I	U	T	N	L	M	D	S	L	R	V	W	M	U	N
Q	S	H	N	O	I	T	A	C	I	D	A	R	E	S
U	G	R	Y	A	I	T	Q	A	I	F	V	E	I	P
E	T	O	C	L	I	T	D	G	E	M	K	H	M	L
Q	J	U	P	O	V	A	C	C	I	N	E	T	M	A
L	P	G	N	E	T	A	N	E	G	Y	X	O	U	N
Q	A	H	R	R	K	X	Q	A	J	Z	N	P	N	T
T	E	M	P	E	R	A	T	U	R	E	S	Y	I	G
A	N	Y	F	T	N	E	I	T	A	P	R	H	T	O
S	Z	P	F	F	A	T	A	L	I	T	Y	V	Y	P

B In pairs. Answer the questions individually, then discuss with a partner. Check anything you disagree on by finding answers in the unit.

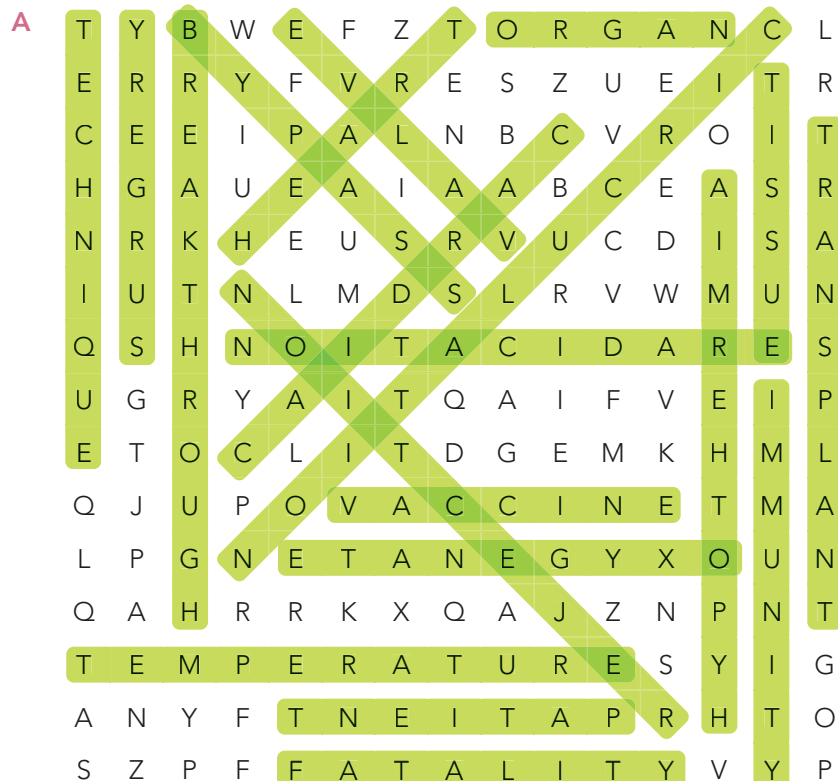
1. Who carried out the first successful surgery on a human heart?
2. When did Dr Dwight Harken begin experimenting with techniques for operating on the heart?
3. What did the technique he developed enable him to do?
4. Who invented the 'therapeutic hypothermia' approach?
5. What did this approach enable heart surgeons to do?
6. When was the first attempt at open-heart surgery carried out?
7. Who carried out the first heart transplant?
8. How successful was it?
9. What did Dr Norman Shumway discover, and how did it revolutionize transplant surgery?
10. To what extent is cardiac surgery still limited?

C Research another medical achievement of the last 50 years.

- Remember to read topic sentences to decide whether you will need to read a paragraph in full.
- Look up any unfamiliar words, and make note of any you think are useful or interesting.
- Find another student who has researched a different medical achievement, and tell your partner about your findings.

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Answers



- B**
1. Dr Ludwig Rehn
 2. During World War II
 3. He could cut into the wall of the heart to remove bullets lodged in the tissue.
 4. Bill Bigelow
 5. By bringing down the patient's body temperature, the body and the brain continued to function for an extra six minutes on a reduced level of oxygenated blood.
 6. 1952
 7. Dr Christiaan Barnard
 8. Despite the use of drugs to suppress the rejection of the heart by the body, the patient subsequently died.
 9. He discovered cyclosporine, which controlled organ rejection without cancelling out resistance to infection.
 10. The number of recipients far exceeds the number of donor hearts available.