

1 Which organ is most often damaged by regularly drinking too much alcohol?

- A heart
- B liver
- C pancreas
- D stomach

2 Which organ breaks down heroin and alcohol?

- A bladder
- B brain
- C kidney
- D liver

3 What is a result of the excessive intake of alcohol?

- A improved self-control
- B liver damage
- C reduced chance of HIV infection
- D shorter reaction time

4 Possible effects of drug abuse include

- 1 addiction,
- 2 reduced self-control,
- 3 severe withdrawal symptoms.

Which effects may occur as a result of drinking too much alcohol?

- A** 1,2 and 3 **B** 1 and 2 only **C** 1 only **D** 2 and 3 only

5 What is **not** an effect of consumption of alcohol?

- A liver damage
- B loss of muscle coordination
- C poor self control
- D stimulation of the nervous system

6 A woman has been smoking heavily for many years.

Which statement could **not** be correct?

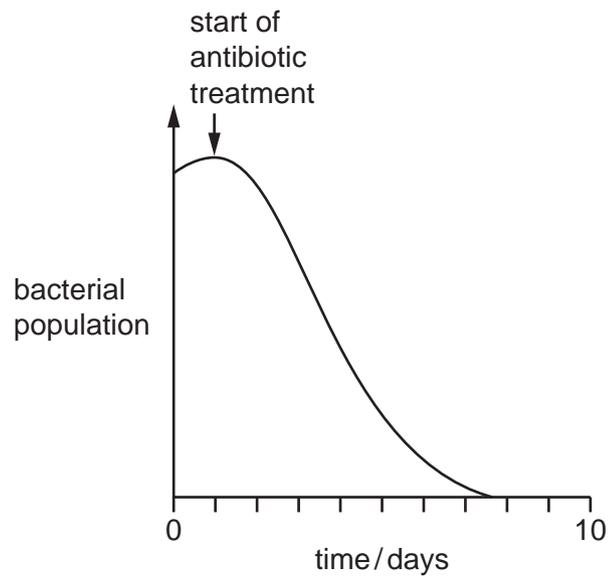
- A Her arteries are blocked with tar.
- B She is addicted to nicotine.
- C The cilia in the trachea have been destroyed.
- D The surface area of the lungs is reduced.

7 The oxygen carrying capacity of the blood of smokers is less than that of non-smokers.

Which component of cigarette smoke causes this?

- A carbon monoxide
- B nicotine
- C smoke particles
- D tar

8 The graph shows the effect of an antibiotic treatment on bacterial populations in the blood.



What conclusion can be drawn from the graph?

- A** Antibiotics are effective against viral and bacterial infections.
- B** Antibiotics cause reduction division in bacteria.
- C** Antibiotics take ten days to kill all bacteria.
- D** Before the start of antibiotic treatment the bacterial population was rising.

9 Which two statements describe the effects of smoking cigarettes?

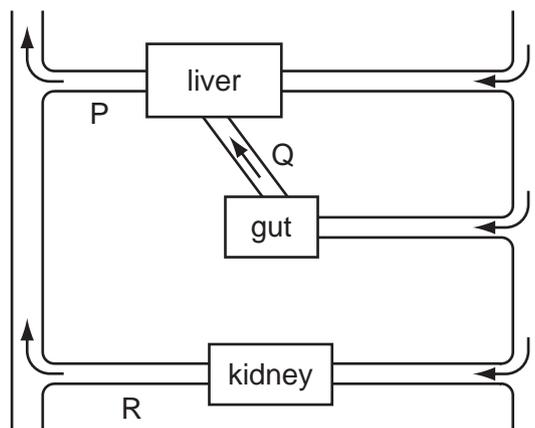
- 1 Cilia beat more quickly.
- 2 Cilia beat more slowly.
- 3 Goblet cells stop producing mucus.
- 4 Goblet cells produce more mucus.

- A** 1 and 3 **B** 1 and 4 **C** 2 and 3 **D** 2 and 4

10 What are the effects of tobacco smoke on the gas exchange system?

	mucus in the airways	chance of lung infection
A	decreased	decreased
B	decreased	increased
C	increased	decreased
D	increased	increased

11 The diagram represents some human organs and their blood vessels.



Immediately after taking an alcoholic drink, how would the levels of alcohol compare in blood vessels P, Q and R?

	P	Q	R
A	high	medium	high
B	medium	high	low
C	low	low	medium
D	high	low	low

12 In which part of the body do drugs break down?

- A brain
- B heart
- C kidneys
- D liver

13 Where do the breakdown of drugs and the storage of urine occur?

	breakdown of drugs	storage of urine
A	kidney	muscles
B	liver	bladder
C	liver	kidney
D	muscles	liver

14 In which organ is alcohol broken down?

- A brain
- B kidney
- C liver
- D stomach

15 A person has been smoking heavily for many years.

A lot of dust and micro-organisms enter their lungs.

Which statement explains why this occurs?

- A Their arteries are blocked with tar.
- B The cilia in the trachea have been destroyed.
- C The person is addicted to nicotine.
- D The surface area of the lungs is reduced.

16 Cilia are present on the surface of the cells of the trachea. The cilia of a smoker work less effectively than those of a non-smoker.

How does this affect the smoker?

- A Less carbon dioxide is released.
- B Less oxygen is released.
- C More bacteria enter the lungs.
- D More mucus is removed from the lungs.

17 Which component of cigarette smoke is most likely to cause lung cancer?

- A carbon dioxide
- B carbon monoxide
- C nicotine
- D tar