

1. March/2020/Paper_12/No.28

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

Which component of tobacco smoke causes this?

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

2. June/2020/Paper_13/No.26

Drugs are substances that are taken into the body.

Which statement also applies to the definition of a drug?

- A always slow down chemical reactions
- B always speed up chemical reactions
- C are only used to destroy bacteria
- D modify or affect chemical reactions

3. June/2020/Paper_13/No.27

What does the drug heroin act as?

- A a stimulant
- B a depressant
- C an antibiotic
- D a nutrient

(a) Fig. 5.1 shows the average number of cigarettes smoked per day by male and female smokers between 1974 and 2014 in one country. Cigarettes contain tobacco.

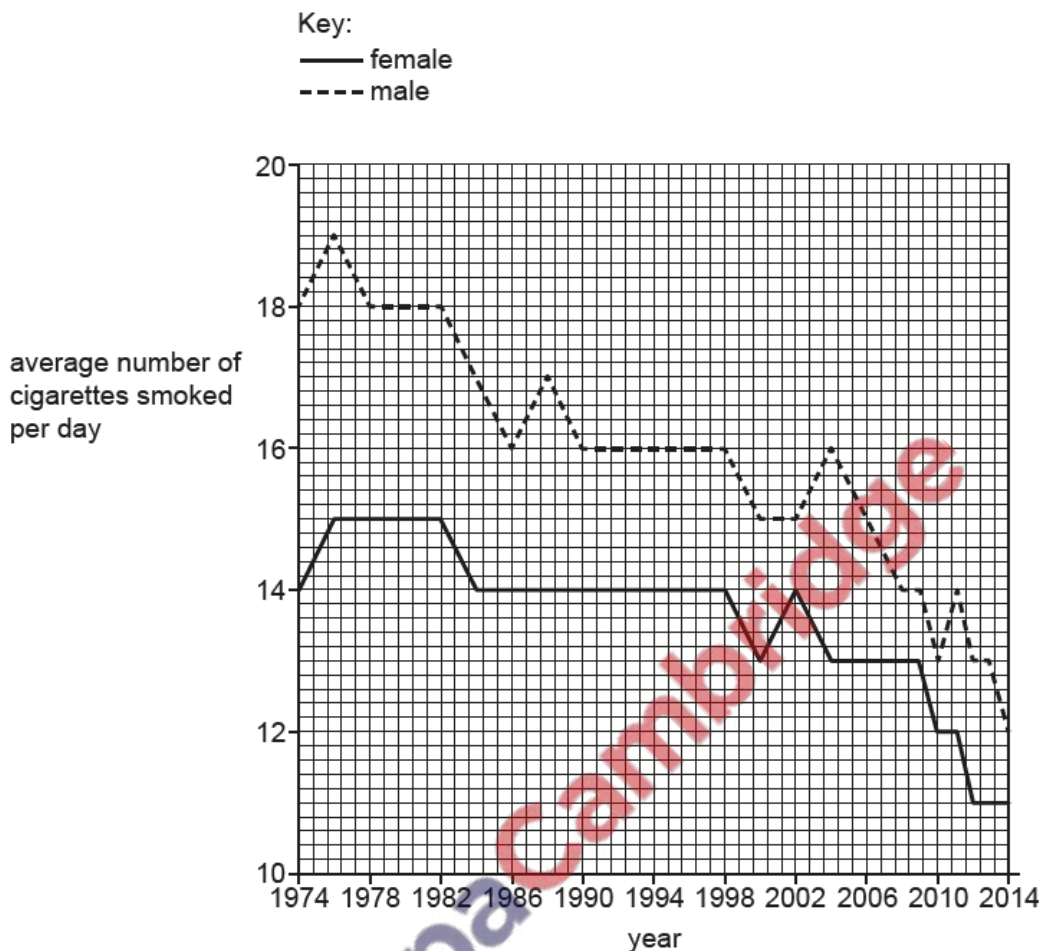


Fig. 5.1

(i) State the average number of cigarettes smoked per day by female smokers in 1982.

..... [1]

(ii) State a year in which male smokers smoked an average of 19 cigarettes per day.

..... [1]

(iii) State **two** conclusions that can be made from the data shown in Fig. 5.1.

1

.....

.....

2
.....
.....

[2]

(b) Tar is a toxic component of tobacco smoke.

(i) State **two** effects of tar on the gas exchange system.

1

.....

2

.....

[2]

(ii) State the names of **two** toxic components of tobacco smoke other than tar.

1

2

[2]

(c) Describe **one** effect on the fetus of the mother smoking tobacco during pregnancy.

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..... [1]

[Total: 9]

