

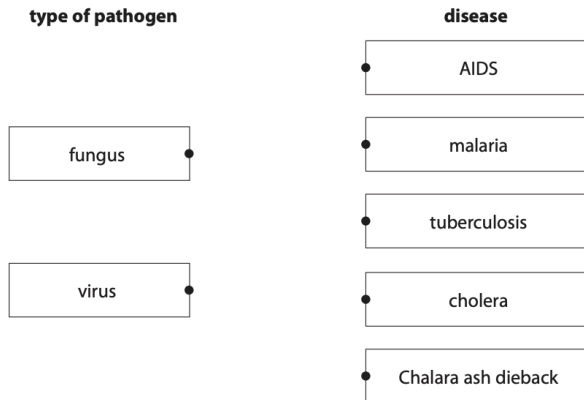
Pathogens & transmission

Q1.(2018)

(a) Pathogens cause disease.

Draw one straight line from each type of pathogen to the disease that is caused by that pathogen.

(2)



Q2.(2018)

HIV is diagnosed by blood tests.

State **two** safety precautions that need to be taken when handling blood samples.

(2)

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.....

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Q3.a(2019)

(a) Chlamydia is caused by a pathogen.

(i) Chlamydia is transmitted by

(1)

- ☒ A insect vectors
- ☒ B sneezing
- ☒ C sexual intercourse
- ☒ D contaminated food

Q3.b(2019)

(ii) The type of pathogen that causes chlamydia is a

(1)

- ☒ A bacterium
- ☒ B fungus
- ☒ C protist
- ☒ D virus

Q3.c(2019)

(b) Figure 2 shows the number of cases of chlamydia in the United Kingdom per 100 000 people between 1996 and 2013.

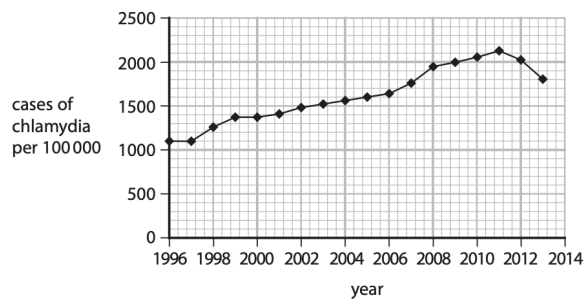


Figure 2

(i) Describe the trend in the number of cases of chlamydia between 1996 and 2013. (2)

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Q3.d(2019)

State the number of cases of chlamydia per 100 000 in 2013.

(1)

.....

Q3.e(2019)

) The population of the United Kingdom in 2013 was 64 000 000.

Calculate the number of people with chlamydia in 2013.

(2)

.....

Q4.a(2020)

Measles is a communicable disease caused by a virus.

(i) What can a virus also be classified as?

(1)

- ☐ A a bacterium
- ☐ B a fungus
- ☐ C a pathogen
- ☐ D a protist

Q4.b(2020)

Give **one** reason why measles is described as a communicable disease.

(1)

Q5.(2022)

Some bacteria cause disease.

(a) Which word describes an organism that causes disease?

(1)

- ☐ A pathogen
- ☐ B culture
- ☐ C antibiotic
- ☐ D platelet

Q6.(2022)

Draw **one** straight line from each disease to the main way that the disease is spread.

(2)

disease	main way the disease is spread
cholera	in the air by animal vectors in body fluids by a vaccination in water
malaria	

Q7.a(2023)

Some bacteria are pathogens.

(i) State the meaning of the term pathogen.

(1)

Q7.b(2023)

Explain why antibiotics can be used to treat bacterial infections.

(2)

Q7.c(2023)

A rod-shaped bacterium is 0.005 mm long.

A student draws the rod-shaped bacterium.

The bacterium in the drawing is 80 mm long.

Calculate the magnification of this drawing.

(2)

magnification = ...

Q8.a(2024)

Malaria is a disease that causes damage to the blood and liver.

(i) Which type of pathogen causes malaria?

(1)

- ☐ A a bacterium
- ☐ B a fungus
- ☐ C a protist
- ☐ D a virus

Q8.b(2024)

State how the pathogen that causes malaria is spread.

(1)