Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B2 Organisation

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Name of the Student:_____
Max. Marks : 19 Marks **Time : 19 Minutes**

Q1.

Measles is a serious disease. A person can die from measles.

The table below shows the number of medically confirmed cases of measles in England and Wales between 2012 and 2015

Year	Number of medically confirmed cases of measles
2012	2030
2013	1843
2014	121
2015	91

(a) Suggest **one** reason why the actual number of cases of measles in England and Wales might be higher than is shown in the table above

_____

_____

(1)

(b) Calculate the percentage decrease in the number of medically confirmed cases of measles between 2012 and 2015

_____

_____

_____

_____

Percentage decrease = _____ %

(2)

(c) One reason for the decrease in the number of cases of measles is that more children were vaccinated against the disease.

Vaccinating a large proportion of the population reduces the spread of the measles virus.

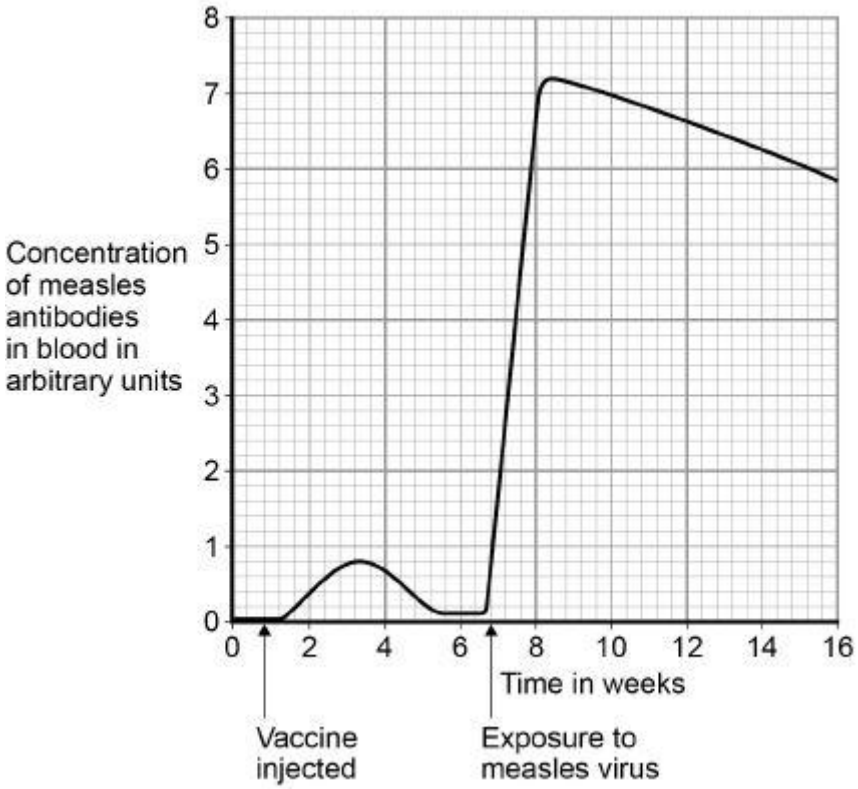
Explain why.

_____

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(2)

(d) The graph below shows the concentration of measles antibodies in the blood of a boy.



Explain the differences between antibody production after the vaccine injection and after exposure to the measles virus.

You should include data from the graph above

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_____

(6)

(Total 11 marks)

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Q2.

Malignant tumours are called cancers.

(a) Describe how a tumour can spread to different parts of the body.

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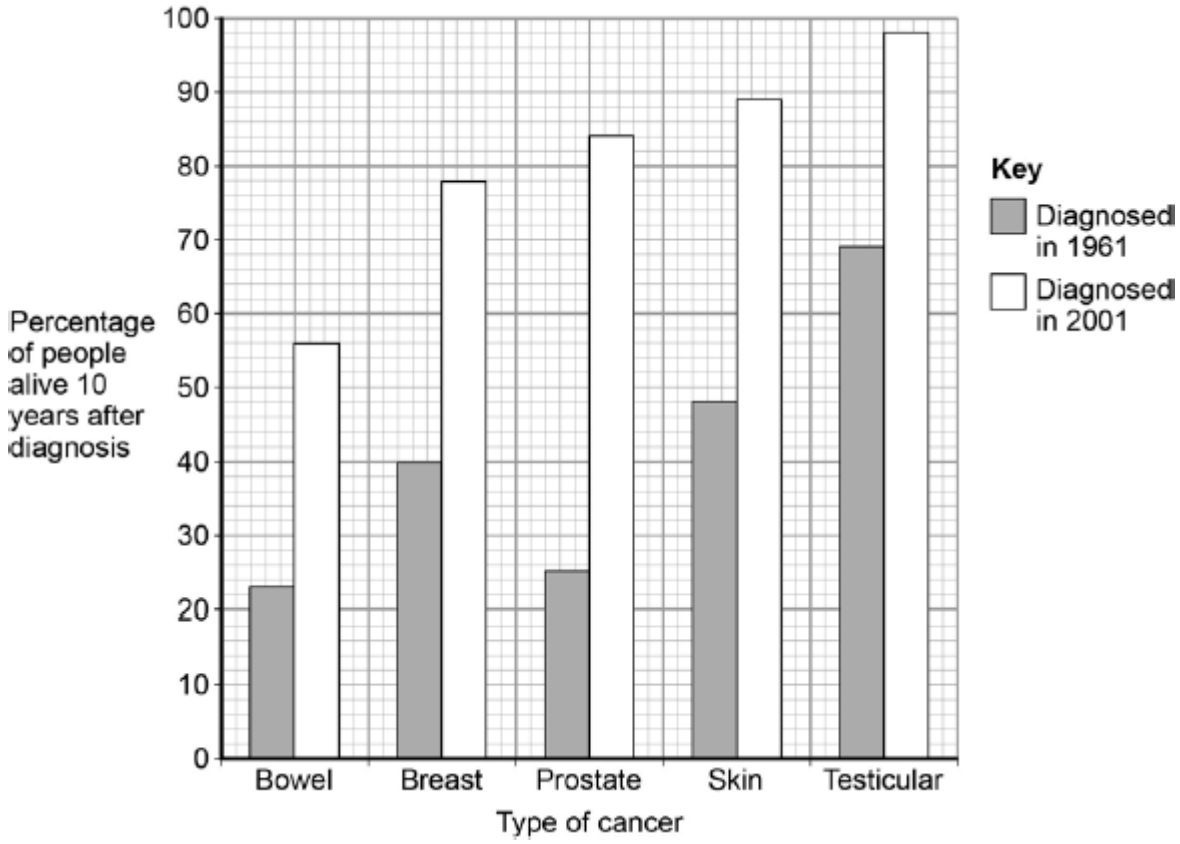
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(2)

(b) Survival rates for people with cancer have improved a lot.

Some people who are alive 10 years after diagnosis are considered to be cured.

The figure below shows data for people diagnosed with cancer in 1961 and 2001.



Look at the data in the figure above for skin cancer.

Calculate the percentage increase in the survival rate of people diagnosed with skin cancer in 1961 compared to 2001.

Give your answer to **three** significant figures.

_____

_____

Survival rate increase = _____ %

(2)

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(c) Look at the data in the figure above for bowel and prostate cancer.

Compare the survival rates for bowel and prostate cancer.

Suggest reasons for the comparisons you have made.

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(4)

(Total 8 marks)

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