AQA, OCR, Edexcel

GCSE Science
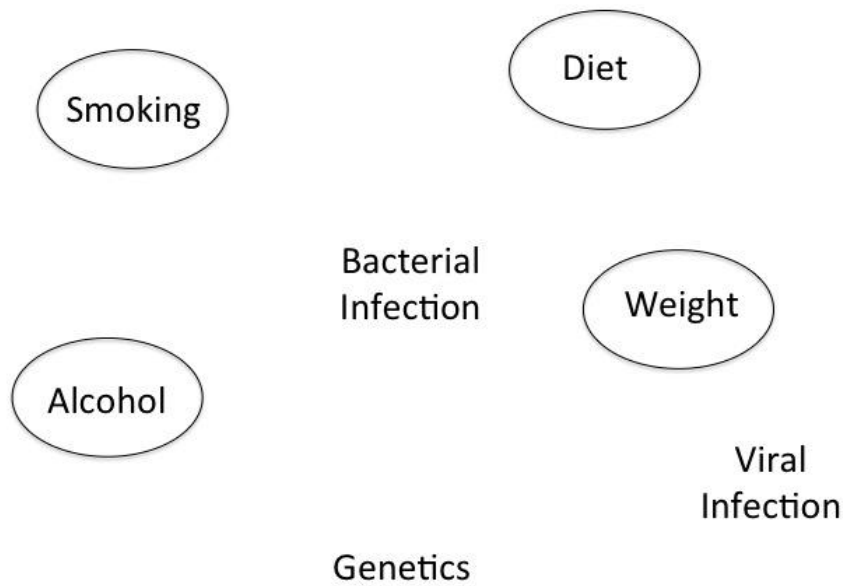
GCSE Biology

Effects of Lifestyle and Cancer Answers

Name:

MME

Mathsmadeeasy.co.uk

Total Marks: /22

Q1: Below are factors affecting disease. Circle the non-communicable disease factors.

Smoking

Diet

Bacterial Infection

Weight

Alcohol

Viral Infection

Genetics

A= 1 mark for each correctly circled answer

(4 marks)

Q2: What 3 types of risk factors can be associated with disease?

1. Life Style
2. Environmental
3. Body/ Genetics

(3 marks)

Q3: What 2 lifestyle factors have been linked to development problems in unborn babies?

1. Smoking
2. Alcohol

(2 marks)

Q4: Give a definition of cancer.

A= Uncontrolled growth and division of cells.

(1 mark)

Q5: Discuss the differences between a benign and a malignant tumour.

A= 1 mark awarded for each of the following points:
- Benign – Contained in one area
    - Does not invade other areas of the body.
- Malignant – Spread around body
    - Form secondary tumours

(4 marks)

Q6: Which sort of tumour is more treatable due to its structure and why?
A= 1 mark stating tumour – Benign
- 1 mark awarded for explanation
    - Normally contained in a membrane/ Don't spread around the body

. (2 marks)

Q7: i) Calculate the Body Mass Index (BMI) of the following 2 patients.

ii) Which patient is more at risk of obesity related diseases?
A= Patient 2

(1 mark)

Q8: Give an example of a lifestyle change, which could be used to reduce the risk of skin cancer.
A= Accept one of the following:
- Sun cream
- Cover bare skin

(1 mark)

Q9: Cancers can also be linked to genetics. Give an example of a type of cancer that is linked with genetic inheritance
A= Accept one of the following:
- Prostate
- Breast

(1 mark)