AQA Biology GCSE Student Checklist

B7 Non-communicable diseases

| Name | Class | Date |
|------|-------|------|
| | | |

| Lesson | Aiming for 4 | | Aiming for 6 | | Aiming for 8 | |
|---------------------------------------|---|--|---|--|--|--|
| _ | I can name some non-communicable diseases. | | I can classify diseases as communicable and non-communicable. | | I can describe some impacts of non- communicable diseases. | |
| B7.1 Non- communicable diseases | I can list some risk factors that are linked to an increased rate of disease. | | I can draw conclusions from data on risk factors. | | I can identify risk factors from data. | |
| | I can identify correlations in data. | | I can decide whether a link is causal. | | I can explain why a correlation does not prove a causal mechanism. | |
| | I can define a tumour as a mass of abnormally growing cells. | | I can describe the difference between benign and malignant tumours. | | I can explain how benign and malignant tumours can be life-threatening. | |
| B7.2 Cancer | I can state some causes of cancer. | | I can describe why carcinogens and ionising radiation increase the risk of tumours. | | I can link a lack of control in the cell cycle to tumour formation. | |
| | I can list some of the benefits and risks of chemotherapy. | | I can analyse data to assess the risks and benefits of chemotherapy. | | I can evaluate the risks of chemotherapy in relation to data, drug testing, and consequences in order to come to an informed decision. | |

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| B7.3 Smoking and the risk of disease | I can name the harmful substances found in tobacco smoke. | I can describe the effects of the harmful substances found in tobacco smoke. | I can explain in detail the effects of the harmful substances found in tobacco smoke. | |
| | I can state that smoking increases your risk of developing lung diseases. | I can analyse data to describe evidence for the link between smoking and lung disease. | I can suggest possible causal mechanisms to explain trends shown in data, and explain how the causal link | |
| | I can describe some health problems caused by a poor diet and lack of exercise. | I can describe causal mechanisms for the link between exercise and health. | I can suggest reasons for the correlation between exercise and health, and decide which are causal. | |
| B7.4 Diet, exercise, and disease | I can list some ways in which people can avoid becoming overweight. | I can suggest measures to prevent a further rise in the number of people with type 2 diabetes. | I can explain in detail why eating a poor diet can lead to health problems. | |
| | I can state that drinking too much alcohol can affect liver and brain function. | I can describe the short- and long-term effects of drinking alcohol. | I can explain in detail how drinking alcohol affects the nervous system. | |
| B7.5 Alcohol and other carcinogens | I can state that alcohol can affect unborn babies. | I can describe the effects of alcohol on unborn babies. | I can evaluate the evidence on the effects of alcohol on a developing baby. | |
| | I can define the term carcinogen. | I can describe the link between ionising radiation and cancer. | I can explain the link between radiation and cancer. | |