

Non-infectious Disease and Disorders

BIO12-15

5 inquiry questions • 11 dot points

1

How is an organism's internal environment maintained in response to a changing external environment?

- construct and interpret negative feedback loops that show homeostasis by using a range of sources, including but not limited to:...
- investigate the various mechanisms used by organisms to maintain their internal environment within tolerance limits, including:...

2

Do non-infectious diseases cause more deaths than infectious diseases?

- investigate the causes and effects of non-infectious diseases in humans, including but not limited to:...

3

Why are epidemiological studies used?

- analyse patterns of non-infectious diseases in populations, including their incidence and prevalence, including but not limited to:...
- investigate the treatment/management, and possible future directions for further research, of a non-infectious disease using an example from one of the non-infectious diseases categories listed above
- evaluate the method used in an example of an epidemiological study
- evaluate, using examples, the benefits of engaging in an epidemiological study

4

How can non-infectious diseases be prevented?

- use secondary sources to evaluate the effectiveness of current disease-prevention methods and develop strategies for the prevention of a non-infectious disease, including but not limited to:...

5

How can technologies be used to assist people who experience disorders?

- explain a range of causes of disorders by investigating the structures and functions of the relevant organs, for example:...
- investigate technologies that are used to assist with the effects of a disorder, including but not limited to:...
- evaluate the effectiveness of a technology that is used to manage and assist with the effects of a disorder