

Q1.

Which **two** of the following statements about the fight or flight response are **FALSE**?

Shade **two** boxes only.

The fight or flight response involves:

A a decrease in the release of adrenaline.

☐

B an increase in the rate of respiration.

☐

C the flow of blood being diverted from the surface of the skin.

☐

D the parasympathetic division being in control of functioning.

☐

E the process of digestion being inhibited.

☐

(Total 2 marks)

Q2.

Xavier was cycling to school when he fell off his bike into the road. A teacher saw a car swerve, narrowly missing Xavier. The teacher checked Xavier was safe and asked him what had happened.

Xavier could hardly speak; his heart was pounding, and his mouth was dry. He felt sick and his hands were shaking. It took Xavier 20 minutes to feel calm again.

Outline the fight or flight response and use this to explain what Xavier was experiencing.

(Total 6 marks)

Q3.

Ian is telling his friend that he was nearly involved in a car accident. "I was driving home when a branch fell in the road. My heart started to beat very fast and my mouth went dry. I slammed on the brakes and avoided hitting the branch. As I drove away, it took some time for my heart rate to come back down to normal."

Outline the role of adrenalin in the fight or flight response. Refer to Ian's experiences in your answer.

(Total 6 marks)