

**Questions are for both separate science and combined science students
unless indicated in the question**

Q1.

Conditions inside and outside of the human body often change.

Homeostasis helps the human body to survive changing conditions.

- (a) Explain what is meant by the term 'homeostasis'.

(2)

The kidneys have an important role in homeostasis.

- (b) Describe what happens to **glucose**, **protein** and **urea** in the kidneys.
(biology only)

(4)

- (c) Explain how ADH affects the production and concentration of urine by the kidneys. **(biology only) (HT only)**

(4)

(Total 10 marks)