Do not write outside the box

1 The tables below show the volume of water taken in and lost from the body over a period of 5 hours, with a temperature of 21^{o}C, and no exercise.

Table 1

Loss by	Volume in litres
Sweat	0.2
Urine	
Breathing	0.8
Total water gain	**1.5**

Table 2

Gain by	Volume in litres
Drinks	1.1
Food	0.4

1 (a) (i) Complete the table by filling in the gap for the 'Urine' cell.

[1 mark]

1 (a) (ii) Is the amount of water taken in and lost over the 5 hour period balanced?

……..

Explain your answer. **[2 marks]**

……..

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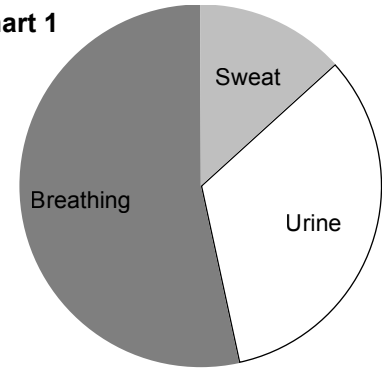
……..

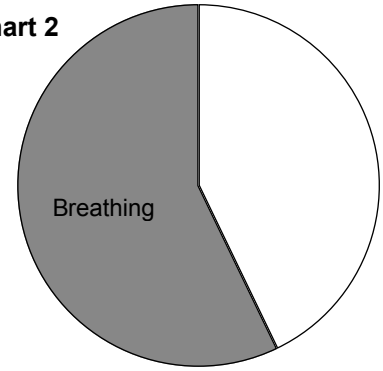
1 (a) (iii) Pie chart 1 shows the amount of water lost described in **Table 1**, as a percentage of the total.

Pie chart 1



Temperature 21^{o}C,
No exercise

Pie chart 2



Temperature 30^{o}C
No exercise

In pie chart 2, sketch the changes you would observe in the amount of water lost from the body through sweat and urine when the temperature is 30^{o}C.

Assume all other conditions are the same. **[1 mark]**

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1 (a) (iv) Explain the changes you have made. **[2 marks]**

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……..

1 (b) Other than water, name one substance that is lost through sweat. **[1 mark]**

……

End **(Total 7 marks)**