## MARKS DO NOT WRITE IN THIS MARGIN

7. The Komodo dragon is a species of lizard.

An investigation was carried out into the effect of environmental temperature on the metabolic rate of a Komodo dragon.

The results are shown in the table.

Environmental temperature (°C)	Oxygen consumption (cm <sup>3</sup> /kg/hr)
20	0.4
25	0.7
30	1.1
35	1.4
40	1.7

(a)	The Komodo dragon is a conformer.	
	Use evidence from the table to support this statement.	1
(b)	Describe how the investigation could be improved to give more reliable results.	1
(c)	Calculate the average increase in oxygen consumption per °C between 20 °C	
	and 40 °C.	1
	Space for calculation	
	cm <sup>3</sup> /kg/hr	

MARKS	DO NOT
	THIS MARGIN

## 7. (continued)

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	Name the type of response that allows conformers to tolerate variation in the environmental temperature.
	Compare the range of ecological niches that can be occupied by conformers

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