

Unit 3 Sustainability & Interdependence

Key Area 4

Animal Welfare

1. The list below describes observed behaviour of pigs on a farm.

- 1 Stereotypic flicking of the head
- 2 Repeated wounding of other pigs by biting
- 3 Lying in a position which does not allow suckling

Which of these behaviours indicate poor animal welfare?

- A 1 and 2 only
- B 1 and 3 only
- C 2 and 3 only
- D 1, 2 and 3

2.

The statements below refer to behaviour sometimes displayed by lions kept in captivity.

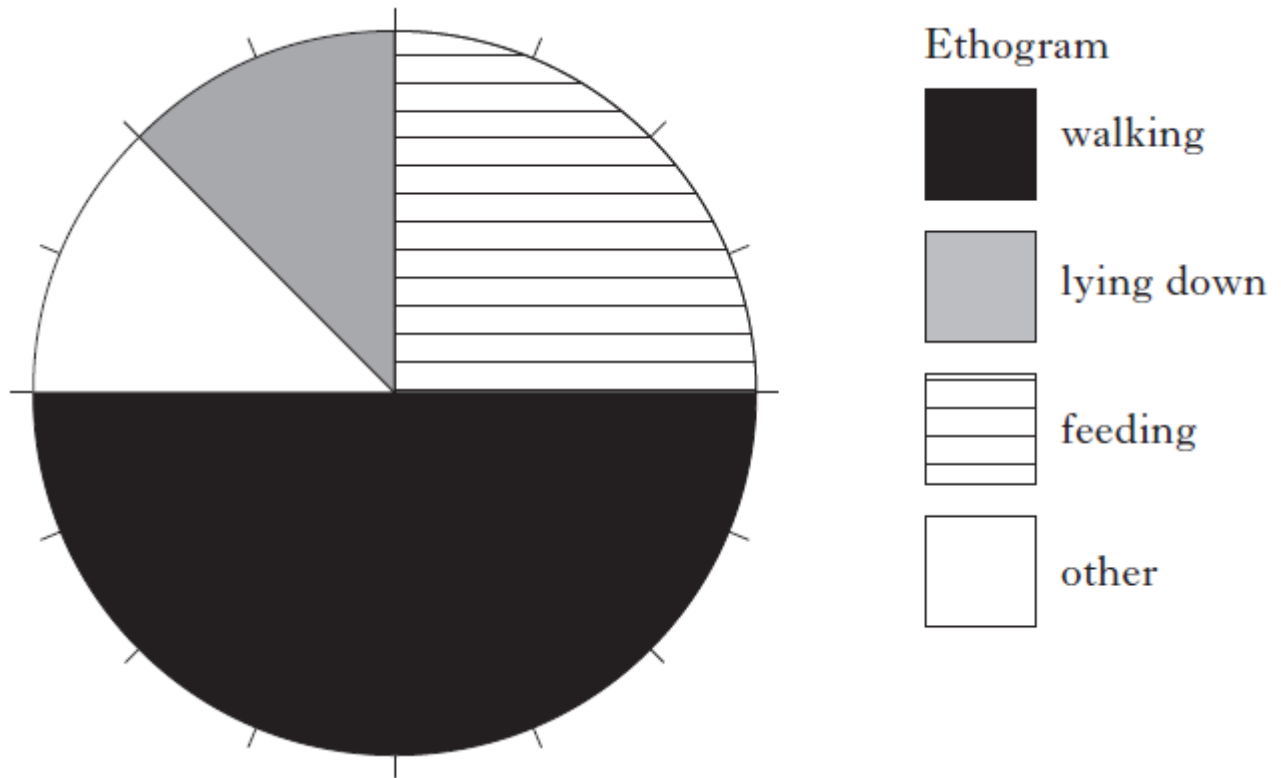
- 1 Repetitive chewing on cage bars
- 2 Excessive licking of body
- 3 Continually pacing backwards and forward

Which are examples of stereotypy?

- A 1 only
- B 1 and 2 only
- C 2 and 3 only
- D 1, 2 and 3

3.

In an investigation, the behaviour of a group of pigs in an enclosure was observed. Each pig's behaviour was observed initially and then every ten seconds for twenty minutes. The behaviours observed were allocated to different categories and the results shown in the pie chart below.



(a) Calculate how long the pigs spent feeding.

Space for calculation

_____ minutes **1**

(b) Express as the simplest whole number ratio the proportion of time spent walking, lying down and feeding.

Space for calculation

_____ walking: _____ lying down: _____ feeding **1**

(c) Suggest **one** improvement which could be made to this investigation to improve the reliability of the results.

1

(d) Give **one** example of a type of behaviour which could indicate poor welfare of the pigs.

1