

Year 4 Science Assessment: Habitats and Environments

Learning objective: To recognise that living things can be grouped in a variety of ways and to explore how environmental changes can pose dangers to specific habitats.

Read each question carefully. Use the word bank to help you with your answers. Write clearly and show your working for any calculations.

Bea the honeybee is busy mapping the meadow near the old oak tree. She notices that the local pond is drying up because there has been no rain for weeks. Meanwhile, Kit the fox has been watching how the woodland creatures find food. Some animals are moving away because part of their forest home was cleared to build a new path.

Word bank: classification · environment · habitat · human impact · invertebrate · vertebrate · adaptation · drought · deforestation

1. Define the word 'habitat' in your own words. Give one example of a habitat. (2 marks)

2. Bea the honeybee is an invertebrate. Explain what this means and name one other invertebrate you might find in a garden. (2 marks)

3. Look at the passage. Identify two environmental changes that might affect the animals living in the meadow and the forest. (2 marks)

4. Why is it important for animals to have adaptations? Give an example of an adaptation a polar bear might have to survive in a cold environment. (3 marks)

5. Max the monkey is helping a farmer count animals. The farmer has 12 hedgehogs and 8 frogs in the garden. If 5 hedgehogs move to a different habitat, how many animals are left in total? Show your calculation. (3 marks)

6. Some environments are 'man-made' and some are 'natural'. Describe the difference between a natural pond and a garden pond. Which one do you think is better for wildlife and why? (4 marks)

7. Extended Writing Task: Write a short paragraph explaining how humans can have a negative impact on a habitat, and suggest one way we could help protect local wildlife. Use the words from the word bank in your answer. (9 marks)

Draw: Draw a 'micro-habitat' that you might find in your school playground (e.g., under a log or in a patch of grass). Label three living things you would expect to find there.



Extension challenge: Total: /25