

Bea's Meadow Ecosystem: A Living Things Study

Learning objective: To classify living things and identify the characteristics of a local habitat using scientific observation and drawing skills.

Follow the drawing prompt to create your habitat diagram. Once finished, use the word bank to label your diagram accurately and answer the Greater Depth questions below.

Draw: Create a detailed scientific diagram of a meadow habitat. Your drawing must include:
1. A flowering plant (the producer). 2. A honeybee (the primary consumer). 3. A ladybird or small spider (the carnivore). 4. A labelled arrow showing the movement of energy. Style: Use clean, pencil-sketch lines with clear labels pointing to specific features like petals, wings, or legs. Keep the composition balanced to show the relationship between the organisms.



Label words: Producer · Primary consumer · Herbivore · Carnivore · Habitat · Life cycle · Environment · Organism

Steps:

1. Label your drawing with the term 'Producer' and explain why plants are classified this way.
2. Identify one 'Herbivore' in your drawing. Justify your choice based on its diet.
3. Compare and contrast the needs of the plant in your drawing with the needs of the animal you have

included.

4. Explain why the removal of all 'Producers' from this meadow would affect the 'Carnivores'.
5. What might happen if the weather in this habitat suddenly became much colder for a long period of time?
6. Design a creative solution to help a specific living thing in your drawing adapt to a change in its environment.