

Habitats and Adaptations: The Meadow Ecosystem

Learning objective: To identify and label the components of a habitat and describe how organisms are adapted to their environment.

Follow the drawing prompt below to create your habitat diagram. Once finished, use the word bank to label your drawing and answer the questions to explain how living things thrive in their environment.

Draw: Draw a vibrant meadow scene that includes a variety of flora and fauna. In the foreground, include a small mammal (like a field mouse) and a bird of prey (like a kestrel) to show a food chain. Include tall grasses, wildflowers, and a small pond. Ensure the style is clear and scientific, like a biology textbook diagram. Use clear lines and leave space around your drawings for labels.



Label words: Producer · Primary Consumer · Secondary Consumer · Herbivore · Carnivore · Adaptation · Environment

Steps:

1. Label your drawing to identify one producer and one consumer. Explain why the producer is essential to the survival of the other organisms in this habitat.
2. Choose one animal you have drawn. Describe one physical adaptation it has that helps it survive in a meadow habitat.

3. What might happen to the primary consumers if the number of producers in this habitat suddenly decreased?
4. Label the 'Environment' on your drawing. List two non-living (abiotic) factors that make this a suitable place for your chosen animals to live.
5. Explain the difference between a herbivore and a carnivore using examples from your drawing.