

Ecosystems: Food Chains, Producers, and Consumers



Use the matching sheet ID when checking answers.

Read each question about ecosystem energy flow and select the best answer.

1. In the grassland food chain: Sun → Clover → Rabbit → Red Fox, which organism is the PRODUCER?

Answer: C. Clover (Plant)

Clover is a green plant that produces its own food using sunlight through photosynthesis, making it the producer.

3. Mushrooms, earthworms, and bacteria break down dead leaves and fallen trees into rich soil. What ecological role do they fill?

Answer: C. Decomposers

Decomposers break down dead organic matter and recycle essential nutrients back into the ecosystem.

2. What do the arrows in a food chain diagram (A → B) represent?

Answer: B. The direction that energy and nutrients flow

The arrow points into the mouth of the consumer, representing the flow of energy and nutrients.