

Food Web Arrows Show Energy Transfer



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

An illustrative meadow model

Grass → rabbit → fox. Grass → grasshopper → bird. The arrows point from a food source toward a consumer and represent transfer of energy. This simplified web omits many organisms and interactions.

1. Which organism is the producer in this model?

2. In rabbit → fox, which organism receives energy from the other?

3. Write the energy path from grass to bird.

4. If grass availability falls, what possible effect might occur?

5. Draw the two paths with correctly directed arrows.

6. Why does this web not explain every change in the meadow?
