

Name _____ Date _____ Period _____

MAKE A FOOD WEB

Read the story and **draw** a complete food web. Then **answer** the 4 questions.

In a mountain meadow, grasshoppers and aphids eat the flowers and grasses. Ladybugs eat the aphids, and bluejays eat the grasshoppers and ladybugs. Bluejays also eat grass seeds and nuts and even an occasional small frog from the pond. The frogs ate algae in the pond when they are tadpoles, but now they catch grasshoppers and other insects. The field mice eat grass seeds and pine nuts. Rabbits eat young grass shoots, and the deer browse on small green willow twigs. Owls and hawks eat the frogs, mice, and rabbits, and once in a while a cougar visits the meadow and preys on a fawn or sick deer.

1. Is more energy available to the bluejay if it eats the grass, the grasshopper, or the ladybug? Explain your answer.
2. If a toxic fat-soluble pesticide got into the soil, in which animals would it be most concentrated? Explain your answer.
3. A virus kills off most of the frogs. Explain what will happen to the number of grasshoppers, flowers, owls, and hawks. Explain your answer.
4. Would you expect there to be more rabbits or owls in this community? Explain your answer.