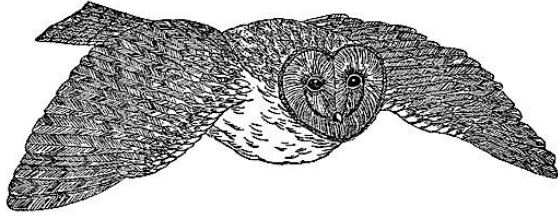


Essential Question: Who speaks for Nature?



Activity 5 – Coughing Up Clues

PURPOSE: I am able to *create* a **food web** to demonstrate **energy flow** within a forest **ecosystem**. This food web will show the relationships among different **populations** within that **ecosystem**.

INSTRUCTIONS:

1. See the Owl slideshow <http://www.slideshare.net/jschmied/owl-adaptations-food-webs-present> and read the background information on page E-37 of your textbook.

Absentees: Dissect an owl pellet as instructed on page E-38. A virtual dissection can be done here: <http://www.kidwings.com/owlpellets/flash/v4/index.htm>

2. Complete the data table on this sheet.
3. Sort the bones and Misc. Items in the appropriate area of the Bone Sorting Chart.
4. Get checked off by your **instructor** when your Data table and Bone Sorting Chart are complete.

DATA:

Data Table 1 - Number of Bones Found in Owl Pellet	
Part	# of each
Skulls	
Jaws	
Shoulder blades	
Front Legs	
Hips	
Hind legs	
Assorted ribs	
Assorted vertebrae	
Misc. Items (name)	

PELLET ANALYSIS – Your team will create a complete skeleton of the most common prey item found

1. Arrange the bones found in the owl pellet to make a skeleton of one of the owl's prey.
2. Use the provided index cards and glue or tape-down this skeleton. Make sure your name is on your index card so you can find it during review.
3. Glue down the rest of the bones on the Bone Sorting Chart, filling in with pencil as needed.
4. Title the pellet analysis

INSTRUCTOR CHECK OFF _____ **get a check off for your Data and Data Analysis/sketch**

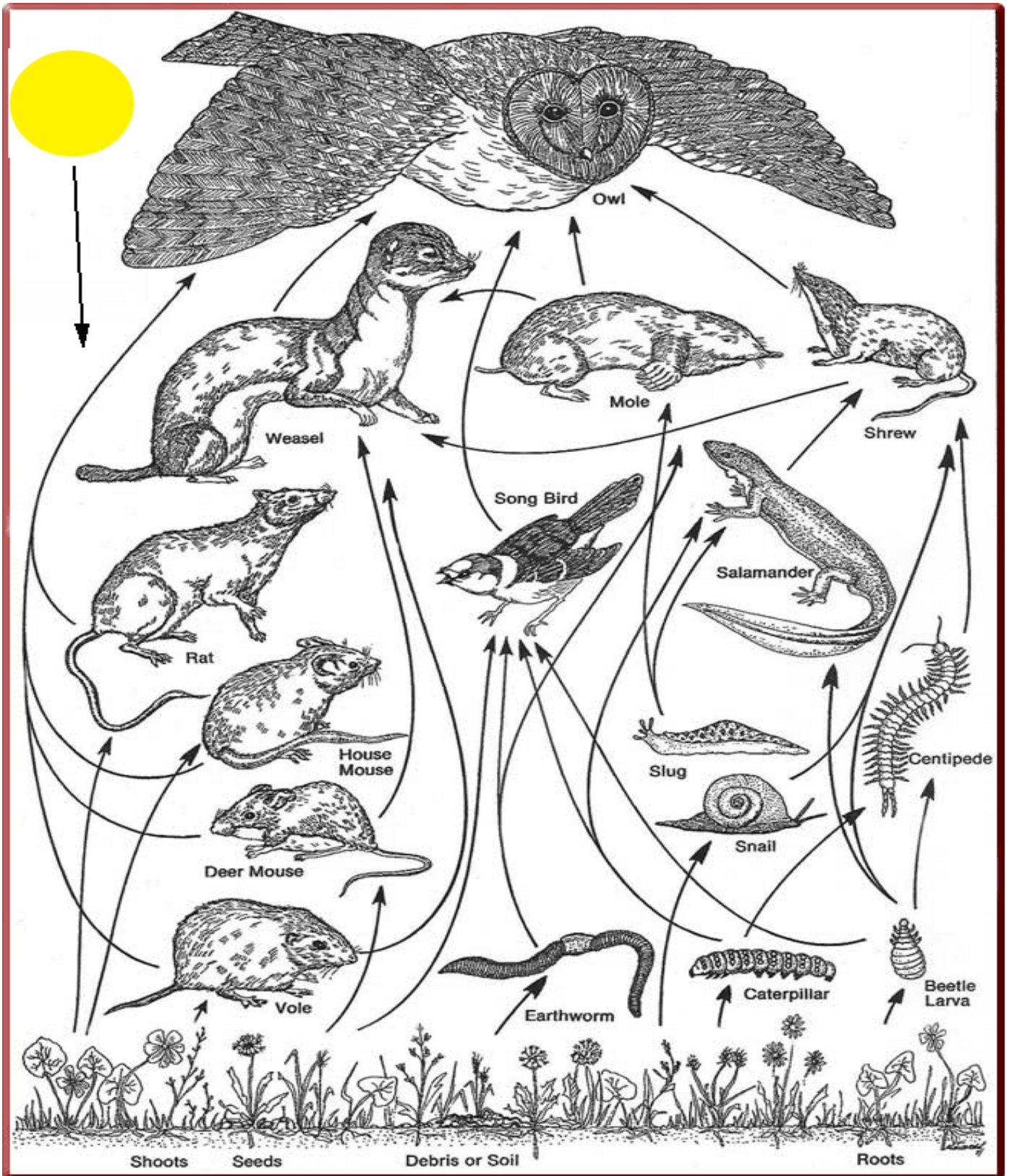
Today's massive loss of species and habitat will be slowed only when the human community understands that nature is not an inferior to be exploited or an enemy to be destroyed but an ally requiring respect and replenishment. We are part of the web of life. United Nations Environment Programme

Student Review: 1-Below Standard, 2-Approaching Standard, 3-Standard, 4-Above Standard
Use the scale to evaluate completeness & correctness of the job. Put score, Initial & date in boxes.

Score

Initial/Date

1. Forest Ecosystem Food Web. Label the Producers, Decomposers, Herbivores, Omnivores, Carnivores & T.C.



2. Your Personal Food Web –

Create ***YOUR OWN*** personal food web showing what you eat.

- Put the sun on the top
- Use a *minimum of 8 organisms, not counting yourself, from ALL niches.*
- Be sure to draw, label and include the niche of each organism.

Write three questions w/answers you think might show up on a test about this activity:

Level 1 – Easy Piezy

Level 2 – Challenging, but not tough!

Level 3 – Tough, but doable