



# WAHSEGA 4-H CENTER

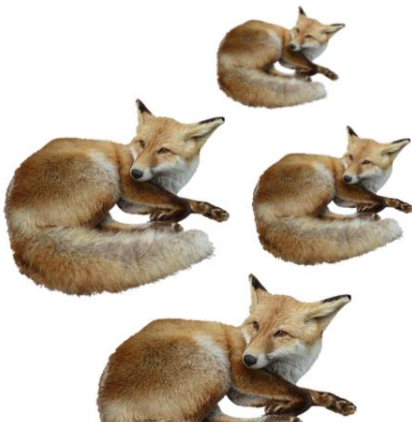
## Part I. Solve the riddle and identify the levels of organization.



Together we make offspring,  
and there are many like me!  
I am a \_\_\_\_\_ .



We hang out together in the same place in a variety of two or more than three!  
We are a \_\_\_\_\_ .



We are all the same and share the same inhabitation.  
We are a \_\_\_\_\_ !



It's every non-living thing and every living organism.  
This is what makes an entire \_\_\_\_\_ !



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### **Part II. Test Your Knowledge!**

- 1. What is the definition of forest ecology?**
- 2. What are the four things that a species needs to survive?**
- 3. How are trees useful to humans and to their ecosystems?**
- 4. Describe the stages of ecological succession.**
- 5. How do you use a tree cookie to tell the age of a tree?**



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Part III. Count the rings of the tree cookie to discover this tree's age!

A.



B.



C.



D.

**Answer Key**



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## **Part I. Solve the riddle and identify the levels of organization.**

Together we make offspring, and there are many like me! I am a: **SPECIES**

We are all the same and share the same inhabitation. We are a: **POPULATION**

We hang out together in the same place in a variety of two or more than three! We are a: **COMMUNITY**

It's every non-living thing and every living organism. This is what makes an entire: **ECOSYSTEM**

## **Part II. Test your knowledge!**

1. What is the definition of forest ecology? The study of a forest as a home.
2. What are the four things a species needs to survive? Food, water, shelter, and space.
3. How are trees useful to humans and to their ecosystems? They are used as resources for wood products, shelter, fuel, shade, food, erosion control, carbon storage and most of all oxygen.
4. Describe ecological succession. Land starts off as grass but is slowly colonized by seeds from bushes and shrubs, in which it becomes shrubland. Given the right conditions, seeds from trees can make their way into the shrubland, and that may eventually turn into a hardwood forest over time.
5. How do you use a tree cookie to tell the age of a tree? To figure out how old this tree was when it died all you have to do is count the rings. Each ring counts as a year of growth for the tree.

## **Part III. Count the rings of the tree cookie to discover this tree's age!**

- A. 12
- B. 11
- C. 10
- D. 9