

“Comparing Ecosystems” Case Study Worksheet 4
Read the case study (pg 28-29) and complete the following questions.

1. List two reasons why humans would select one plant over another in a park.

2. List two reasons why a plant might be categorized as a weed.

3. List two human activities that prevent artificial ecosystem of the city park from changing?

4. Which ecosystem (meadow or park) demonstrates the greater biodiversity? Explain your reasons.

5. Speculate why grasshopper sparrows found in the meadow, are less likely to be found in a city park.

6. Speculate why coyotes are not common in city parks.

7. Why is important to take measurements on the same day and at the same time?

8. Speculate why the wind velocity at ground level differs in the two ecosystems (meadow, park).

9. Speculate why goldenrod is found in the meadow but the city park.

10. Provide a hypothesis that explains why more earthworms are in the meadows than the park.

11. Why are more spiders found in the meadow?

12. List abiotic factors of the City Park and meadow.

13. With reference to the cycling of matter, explain the reasons why humans need to add fertilizers and other chemicals to a park to keep it looking healthy.
