

Assessment Rubric

Ecosystems

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
Understanding Concepts	Demonstrates a limited understanding of concepts. Needs teacher intervention.	Demonstrates a basic understanding of concepts. Requires little teacher intervention.	Demonstrates a good understanding of concepts. Requires no teacher intervention.	Demonstrates a thorough understanding of concepts. Requires no teacher intervention.
Analysis and Application of Key Concepts	Limited application and interpretation in activity responses	Basic application and interpretation in activity responses	Good application and interpretation in activity responses	Strong application and interpretation in activity responses
Creativity and Imagination	Limited creativity and imagination applied in projects and activities	Some creativity and imagination applied in projects and activities	Satisfactory level of creativity and imagination applied in projects and activities	Beyond expected creativity and imagination applied in projects & activities
Application of Own Interests	Limited application of own interests in independent or group environment	Basic application of own interests in independent or group environment	Good application of own interests in independent or group environment	Strong application of own interests in independent or group environment

STRENGTHS:

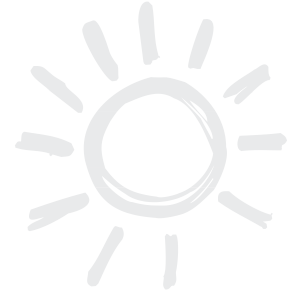
WEAKNESSES:

EXTRA STEPS:

SAMPLE



Populations



Answer the questions in complete sentences.

3. How does a **population** grow?

4. Can it be difficult for a **population** to survive in an **ecosystem**? Explain why or why not.

Extension & Application

5. **Copy and complete the chart below.** Come up with an example of a population for the organism on the left side of the chart. Then come up with an example that would not be a good example of a population. The first question has been completed for you.

Organism	Population example	Not a population example
Monkey	All the curly-tailed monkeys that live in South Africa	
Maple tree		
Worm		
Snake		
Daisy flower		

6. CALLING ALL WRITERS AND ARTISTS!

Pick an organism from the list above and complete **ONLY ONE** of the following projects, either Project A or Project B. If you need help, you can use research tools to find information about your organism. Don't forget to use your imagination too!

Project A: STORY

Write a story about the organism you have chosen to be. Be sure to include the following: introduce who you are, who is part of your population, where you live, and any other information that describes what life is like to be your organism.

Project B: DRAWING

Draw a population picture! Use your imagination to draw a full-page picture showing you (the organism you have chosen) and your population. By looking at your picture you should be able to see: what organism you have chosen, who is part of your population, where you live, and any other details you think are important.



Comprehension Quiz

Part C

1. Describe what an **ecosystem** is. Give two examples of ecosystems and list what you might find living in each ecosystem.

4

2. What two things are important to remember when describing a **population**? Give an example to show you understand the meaning of a population.

3

3. Do **ecosystems change** over time? Describe **how** an ecosystem might change.

3

4. What is the difference between a **producer**, a **consumer** and a **decomposer**?

3

5. Explain how **microorganisms** might be **helpful** and **harmful** to humans.

3

SUBTOTAL: /16

Photosynthesis

