

NAME: _____

TREES & FORESTS: THE CYCLE PROJECT

How does photosynthesis, the nutrient cycle, and the water cycle work and how do they contribute to the health of the forest?

TASK

Create a visual representation and write a descriptive paragraph about how each of the following cycles work and contribute to the health of the forest:

- Water Cycle
- Nutrient Cycle
- Photosynthesis

VISUAL REPRESENTATION (1 for EACH cycle)

- Clearly shows the process or cycle from one stage to the other /3
- Shows the positive effects on the forest /3
- Each stage clearly labeled /3

DESCRIPTIVE PARAGRAPH (1 for EACH cycle)

- Organized around the main idea of: the purpose of the cycle /2
- Conventions: Capitals, periods, commas and spelling /2
- Should describe what is happening in your representation /2

For Each Cycle

How well does the visual representation and descriptive paragraph answer the main question: "How does the cycle work and how does it contribute to the health of the forest?"

- 1. Water Cycle /5
- 2. Nutrient Cycle /5
- 3. Photosynthesis /5

COMMENTS

WATER CYCLE: /20

NUTRIENT CYCLE: /20

PHOTOSYNTHESIS: /20

TOTAL: /60

Parent Signature: _____

TREES & FORESTS: THE CYCLE PROJECT

Marking Rubric

How does photosynthesis, the nutrient cycle, and the water cycle work and how do they contribute to the health of the forest?

	Photosynthesis	Nutrient Cycle	Water Cycle
Visual Representation			
1. Clearly shows the process or cycle from one stage to the other	/3	/3	/3
2. Shows the positive effects on the forest	/3	/3	/3
3. Each stage clearly labeled	/3	/3	/3
Descriptive Paragraph			
1. Organized around the main idea of: the purpose of the cycle	/2	/2	/2
2. Conventions: Capitals, periods, commas and spelling	/2	/2	/2
3. Should describe what is happening in your representation	/2	/2	/2
How well is the main question answered?			
	/5	/5	/5

20

20

20

Comments:

TOTAL: /60