

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