

**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
<b>Visual Representation</b>			
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
<b>Descriptive Paragraph</b>			
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
<b>How well is the main question answered?</b>			
	/5	/5	/5

20

20

20

Comments:

**TOTAL: /60**