

# Plants, Animals & Habitats

## Thinking Log



By \_\_\_\_\_

T-Chart Organizer: \_\_\_\_\_

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|  |  |
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## Cheeto Experiment Reflection

How would you describe what happened during the experiment? \_\_\_\_\_

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How does this happen in nature? \_\_\_\_\_

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Questions you have: \_\_\_\_\_

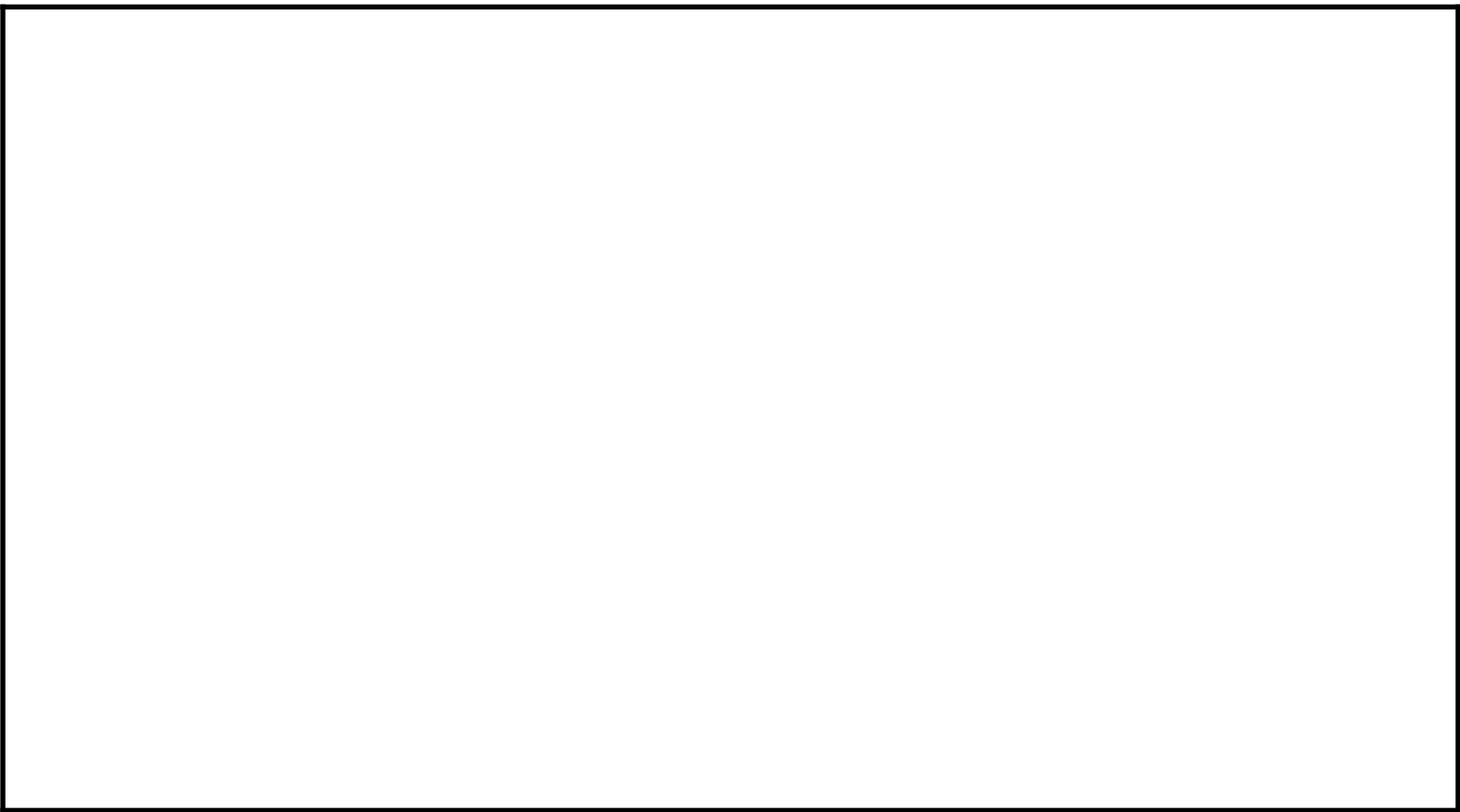
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**Draw and write about your plan for your investigation. What materials will you use? How will you test it? Use labels to describe your materials.**



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## Day \_\_\_\_\_ Plant Observation

I am testing \_\_\_\_\_

Observations: \_\_\_\_\_

Plant Growth Data: \_\_\_\_\_

Questions: \_\_\_\_\_

**Day \_\_\_\_\_ Plant Observation**

**I am testing** \_\_\_\_\_

**Observations:** \_\_\_\_\_

**Plant Growth Data:** \_\_\_\_\_

**Questions:** \_\_\_\_\_

**Day \_\_\_\_\_ Plant Observation**

**I am testing** \_\_\_\_\_

**Observations:** \_\_\_\_\_

**Plant Growth Data:** \_\_\_\_\_

**Questions:** \_\_\_\_\_

**Day \_\_\_\_\_ Plant Observation**

**I am testing** \_\_\_\_\_

**Observations:** \_\_\_\_\_

**Plant Growth Data:** \_\_\_\_\_

**Questions:** \_\_\_\_\_

Day \_\_\_\_\_ Plant Observation

I am testing \_\_\_\_\_

Observations: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Plant Growth Data: \_\_\_\_\_

\_\_\_\_\_

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Questions: \_\_\_\_\_

\_\_\_\_\_

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Day \_\_\_\_\_ Plant Observation

I am testing \_\_\_\_\_

Observations: \_\_\_\_\_

Plant Growth Data: \_\_\_\_\_

Questions: \_\_\_\_\_

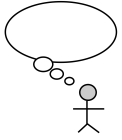
**CLAIM:** I support the claim that plants need.....

\*write and draw what you think happened in the investigation.

Because... (write or draw the reason why you selected the things you did)

## Understanding the Check With Experts

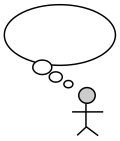
Question: What do plants need to grow?



**Plants can't eat cheeseburgers.**

Does this evidence help support our claim? Yes \_\_\_\_ No \_\_\_\_

Why? (Draw your answer below)



**Plants do NOT need soil to grow.**

Does this evidence help support our claim? Yes \_\_\_\_ No \_\_\_\_

Why? (Draw your answer below)



# Plant Growth

## After Checking with the Experts:

Now that you have checked with the experts, write your new claim and explain your evidence. Include the following vocabulary words in your drawing and writing.

- Air
- Nutrients
- Sunlight
- Water



I support the claim: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

My evidence is: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## What I Know!



Can a plant grow like this?

| Claim 1                           | Claim 2                                |
|-----------------------------------|----------------------------------------|
| No, the plant needs soil to grow. | Yes, as long as it also gets sunlight. |

Do you support Claim 1 or Claim 2? \_\_\_\_\_

Why do you support that claim?

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Why do you **NOT** support the other claim?

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## Plant Song

*(To the tune of "If your happy and you know it.")*

If a plant wants to live it needs to grow

If a plant wants to live it needs to grow

If a plant wants to live, it needs some help from some friends

If a plant wants to live it needs to grow

If a plant wants to live it needs the sun.

If a plant wants to live it needs the sun.

If a plant wants to live then the sun needs to come

If a plant wants to live it needs the sun.

If a plant wants to live it needs to drink.

If a plant wants to live it needs to drink.

If a plant wants to live then the water needs in.

If a plant wants to live it needs to drink.

If a plant wants to live it needs the air.

If a plant wants to live it needs the air.

If a plant wants to live let the air breathe in

If a plant wants to live it needs the air.

## Pollination Video Reflection

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## Strange Plants



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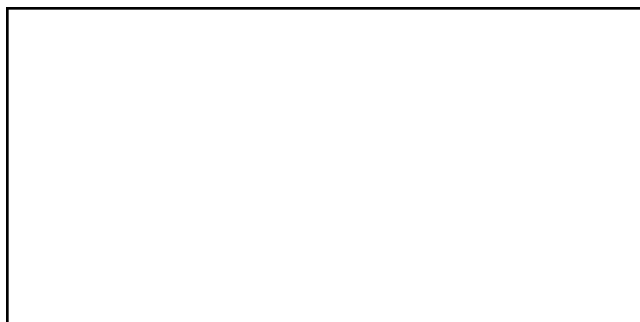
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## How Seeds Travel



Exploding: \_\_\_\_\_

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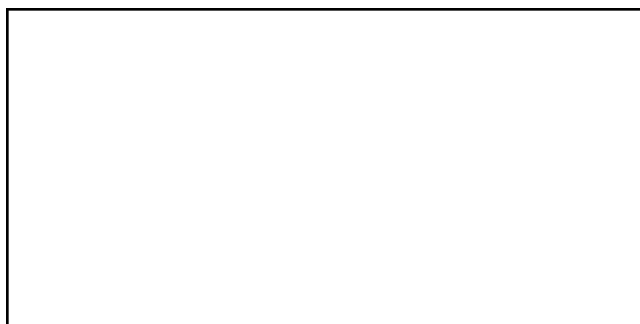


Wind: \_\_\_\_\_

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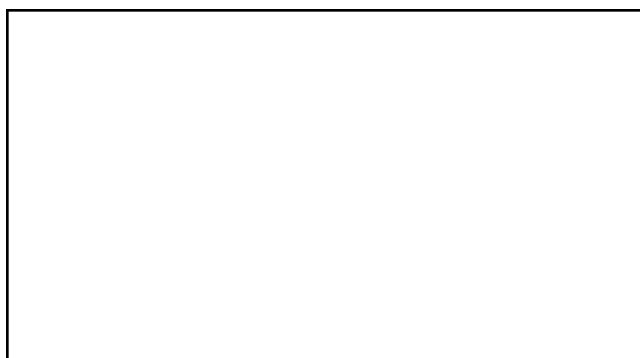


Water: \_\_\_\_\_

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Animal: \_\_\_\_\_

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## Pollination/Seed Dispersal

### Initial Claim

I support the claim: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

My evidence is: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

T-Chart Organizer: \_\_\_\_\_

[illegible]

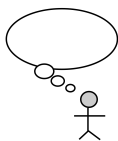
**CLAIM:** I support the claim that seeds move by.....

\*write and draw what you think happened in the investigation.

**Because...** (write or draw the reason why you selected the things you did)

## Understanding the Check With Experts

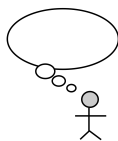
Question: What helps seeds move?



**Animals need to live in areas where there are very few other plants.**

Does this evidence help support our claim? Yes \_\_\_\_ No \_\_\_\_

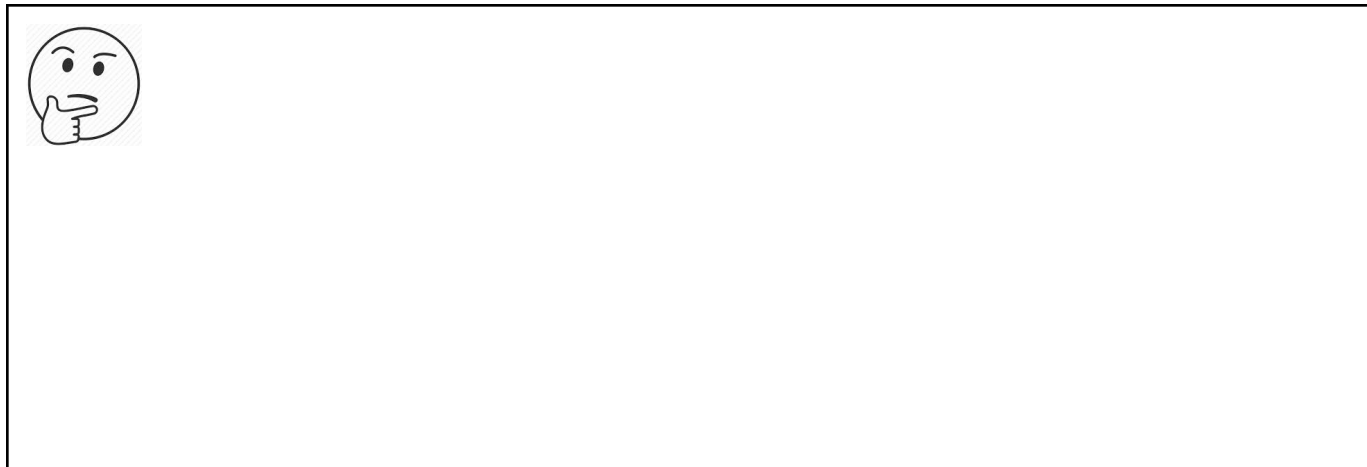
Why? (Draw your answer below)

**Diversity helps animals live because there are more plants and other animals to eat.**

Does this evidence help support our claim? Yes \_\_\_\_ No \_\_\_\_

Why? (Draw your answer below)



## Pollination/Seed Dispersal

### After Checking with the Experts:

Now that you have checked with the experts, write your new claim and explain your evidence. Include the following vocabulary words in your drawing and writing.

- Fertilize
- Pollination
- Dispersal



I support the claim: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

My evidence is: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## Both to Survive

(Sing to the theme *Staying Alive* by the Bee Gees)

Well, you can tell by the way my belly hurts

I'm a hungry cow, no time to moo

I need food and and there are plants around

Diversity is great, so I can eat

And now it's alright, it's okay

I ate some plants the other day.

We can try to understand

Diversity is why we're on this land

Whether you're a hippo or whether you're a flower we need

both to survive, both to survive

The forest needs plants and forest needs animals we

both to survive, both to survive

Ah, ha, ha, ha, both to survive, both to survive

Ah, ha, ha, ha, both to survive, both to survive

## **Dispersal/Pollination Model Plan**

**Directions: Draw a picture of what your model will look like. What animal will you choose? Will it disperse seeds or pollinate? Make sure you have labels and captions. Make sure your picture has lots of details.**

Group Name: \_\_\_\_\_

Draw and label your plan to build a super insect. Decide what you will name it.



Insect name: \_\_\_\_\_

Build your adapted animal/insect and test it to see if it can pick up the required materials. If it cannot, you may change parts of your animal/insect to improve it.

Make sure your group has completed each part of the following checklist before submitting the project.

\_\_\_\_ You drew and labeled your animal/insect before taking materials to build it.

\_\_\_\_ You have a name for the animal/insect.

\_\_\_\_ You planned a way for your animal/insect to see and move from place to place.

\_\_\_\_ You tested your insect to make sure it worked properly.

\_\_\_\_ Your insect has a way to move pollen OR seeds efficiently.

\_\_\_\_ You met with another group to give and receive feedback on your insects.

## Summary Paper

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Summary Paper