

## Student Handout (Grades 6 - 8)

### Introduction:

In the story, Ojiig notices a difference between the blueberries his family used to pick and the ones they buy in the city. City blueberries are much bigger! Today, we're going to explore this difference between wild and farmed blueberries.

### Part 1: Guessing and Comparing

- Look at the two baskets. One has smaller "berries" and one has larger "berries."
- Guess: How many "berries" do you think are in each basket? Write your guesses below.
  - Basket with smaller "berries": \_\_\_\_\_
  - Basket with larger "berries": \_\_\_\_\_
- Take one "berry" out of each basket. Compare them.
  - Which one is bigger? \_\_\_\_\_
  - Which one takes up more space? \_\_\_\_\_
- Guess: Which basket do you think has more "berries" in it? \_\_\_\_\_
  - Why? \_\_\_\_\_

### Part 2: Counting and Thinking

- Count the "berries" in each basket. Write the actual number below.
  - Basket with smaller "berries": \_\_\_\_\_
  - Basket with larger "berries": \_\_\_\_\_
  - Which basket had more "berries" in it? \_\_\_\_\_
- Think: Which basket do you think has wild blueberries (the kind Ojiig and his family would have picked)? \_\_\_\_\_
- Which basket do you think has cultivated or farmed blueberries (the ones he'd buy frozen)? \_\_\_\_\_
  - Why do you think so? \_\_\_\_\_



**Part 3: Deeper Thinking**

- What effect might things like pesticides and selective growing practices (including Genetic Modifications) have on the size of berries? Could this explain why one type is bigger than the other?

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- Could this explain why one type is bigger than the other?

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**Part 4: Volume and Surface Area**

- How do volume and surface area relate to one another? (Use the "berries" and baskets to explain your answers.)

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