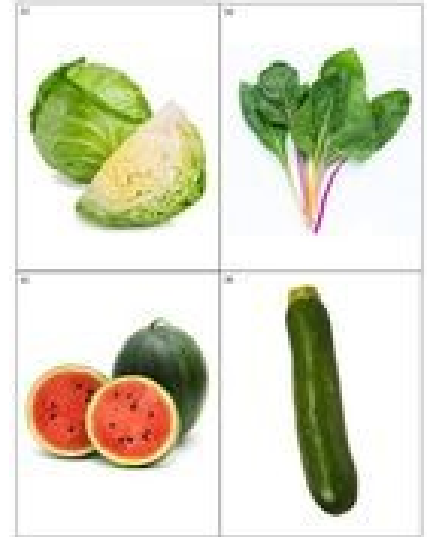


## Parts of a Plant Game

**OVERVIEW:** What parts of plants do we eat? All of them! In this fun card game, students learn whether their favorite fruits and vegetables are roots, stems, leaves, flowers, fruits or seeds. The game can be played by individuals in a small group or by teams of students. Do your students know that broccoli is a flower? Here's how they can learn!



**GRADES:** K-5 (*The degree of difficulty can be modified for all grade levels.*)

**OBJECTIVES:** The student will be able to:

- Look at pictures of fruits and vegetable and tell what parts of the plant they are.
- Describe the function of six plant parts: roots, stems, leaves, flowers, fruits, and seeds.

### **MATERIALS:**

*New Jersey Agriculture in the Classroom fruit and vegetable cards, printed and cut out. (See cards at the end of this lesson.) It is recommended that the pictures be glued onto cardboard or laminated before the game.*

Signs for each of the six plant parts: roots, stems, leaves, flowers, fruit, seeds.

*Optional for grades 2-5: Parts of a Plant I Eat worksheet for each student.*

*Optional: A large picture of a plant such as a tomato or cranberry that shows all of the six plant parts. This can be drawn on a large piece of plastic, vinyl tablecloth, or with chalk on pavement if the game is played outside.*

**NOTE:** *Teacher should separate cards for teams of students in advance, so that each team receives a variety of different plant parts.*

### **PROCEDURE:**

Spread the six plant part signs in the middle of the room where each team can reach them easily. Divide students into teams of three or four. Distribute the fruit and vegetable cards equally to each team, making sure each team receives a variety of plant parts. Explain to the students that their team should work together to identify what plant part each fruit and vegetable is. When they have decided upon the plant part, they should discuss what that part does for the plant. Then one team member should place the card by the correct plant part sign in the middle of the room.

If you are using a large drawing of a plant, the students should place the cards around the appropriate part of the plant.

When all the cards have been placed, all students should gather in a circle around the plant part signs. They should look carefully at where the cards have been placed. The teacher should point to each plant part one by one and ask students if they agree if all the cards have been placed there correctly. Before moving on to the next plant part, ask the students what the plant part does for the plant.

At the end of the game, ask students which plant part had the most cards. Which had the least?

*NOTE: For younger students, the teacher may want to use fewer cards or select only cards of the most familiar fruits and vegetables.*

### EVALUATION:

Each student lists the six plant parts, describes what it does for the plant, and names his/her favorite fruit or vegetable that is that plant part.

### EXTENSION:

Older students can teach the Parts of a Plant game to younger students.

Ask each team to name a fruit or vegetable that was not included in the plant part cards. What part of the plant is it?

### New Jersey Learning Standards

*Science: K:LS1.C 1:LS1.A 2:LS2.A 3:LS1.B 4:LS1.A 5:LS2.A*

*Language Arts: K:W.K.2 1:W.1.2,8 2:W.2,8 3:W.3, W.3.8  
4:W.4.2, W.4.8 5: W.5.2, W.5.8*

NAME \_\_\_\_\_

## Parts of a Plant I Eat

*Beside each plant part, describe what that part does for the plant. Then write the name of your favorite fruit or vegetable that is that plant part. Explain why you like it.*

### **ROOT**

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### **STEM**

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### **LEAVES**

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### **FLOWER**

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### **FRUIT**

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### **SEED**

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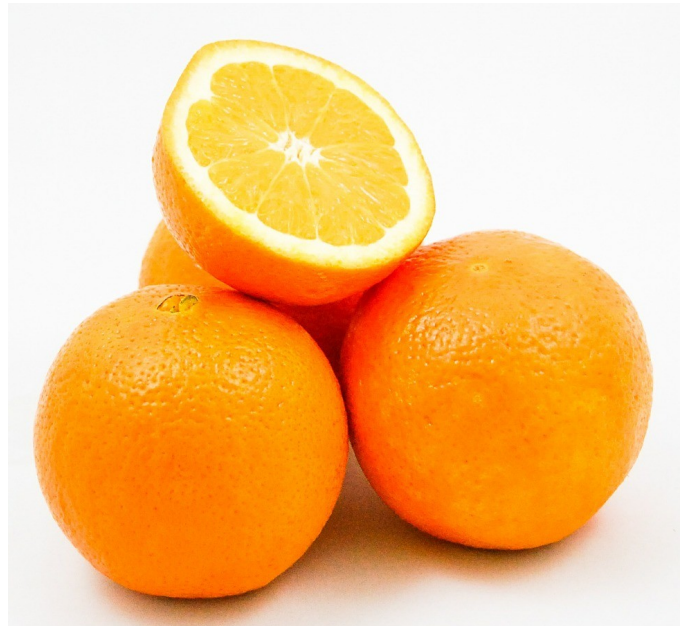




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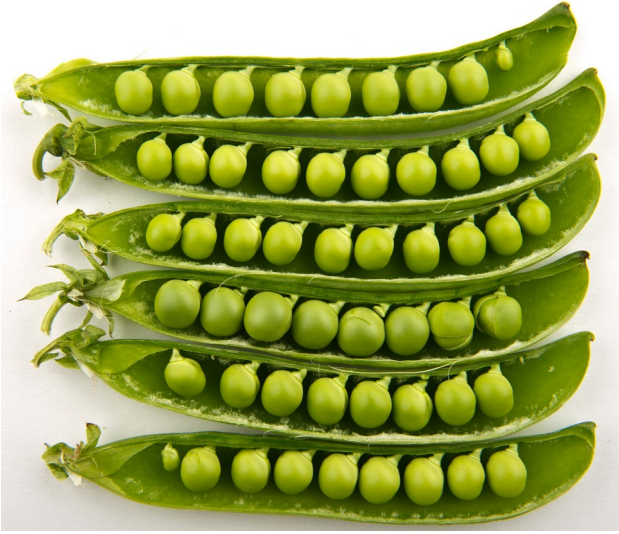
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# Parts of a Plant Game Answer Key

- |                                |                               |
|--------------------------------|-------------------------------|
| 1) apple - fruit               | 19) kale - leaves             |
| 2) artichoke - flower          | 20) tomato - fruit            |
| 3) asparagus - stem            | 21) lettuce - leaves          |
| 4) avocado - fruit             | 22) orange - fruit            |
| 5) banana - fruit              | 23) peach - fruit             |
| 6) beans - seeds               | 24) pear - fruit              |
| 7) beet - root                 | 25) peas - seeds              |
| 8) blueberries - fruit         | 26) pepper - fruit            |
| 9) celery - stem               | 27) pineapple - fruit         |
| 10) cherry - fruit             | 28) pumpkin - fruit and seeds |
| 11) corn - seeds               | 29) radish - root             |
| 12) grapes - fruit             | 30) kiwi - fruit              |
| 13) bok choy - stem and leaves | 31) spinach - leaves          |
| 14) cauliflower - flower       | 32) strawberry - fruit        |
| 15) carrots - root             | 33) cabbage - leaves          |
| 16) broccoli - stem and flower | 34) Swiss chard - leaves      |
| 17) cucumber - fruit           | 35) watermelon - fruit        |
| 18) eggplant - fruit           | 36) zucchini - fruit          |