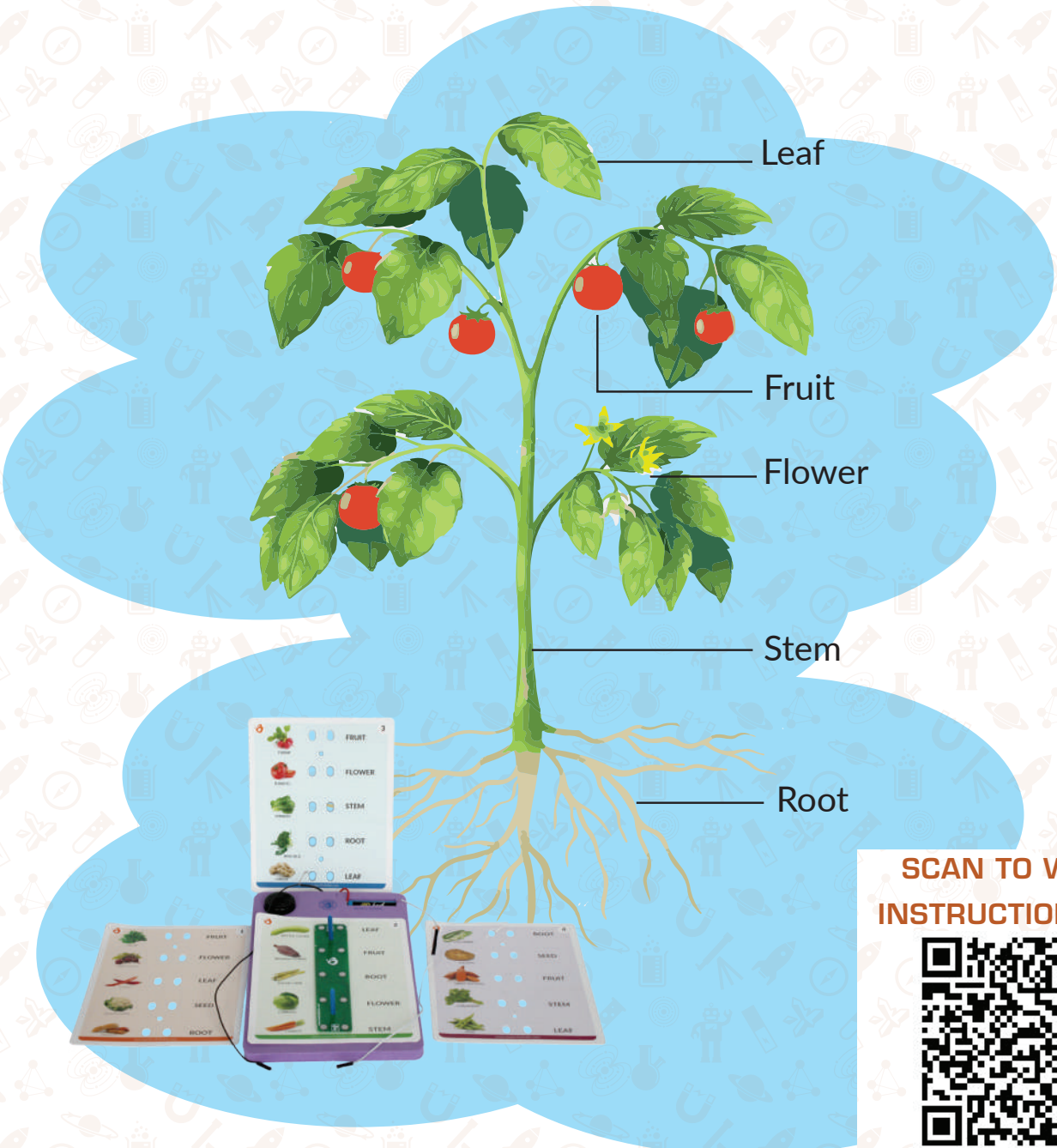


# 212 PLANTS - PARTS WE EAT



SCAN TO WATCH INSTRUCTION VIDEO



Is your favorite vegetable a root, stem, leaf, flower, fruit or a seed? Come find out!

NAME : .....

ROLL No. : ..... CLASS : .....

STEM  
LEARNING



# PLANTS - PARTS WE EAT

## Components to do activities



## Table of Contents

	Type	Time	Page No
1 Introduction		5 min	1
2 Vegetable & the part of the plant		30 min	3
3 Self assessment		10 min	8
4 Concept Map		10 min	9
<b>Total time</b>		<b>55 min</b>	



Self Assessment



Information



Activity / Game



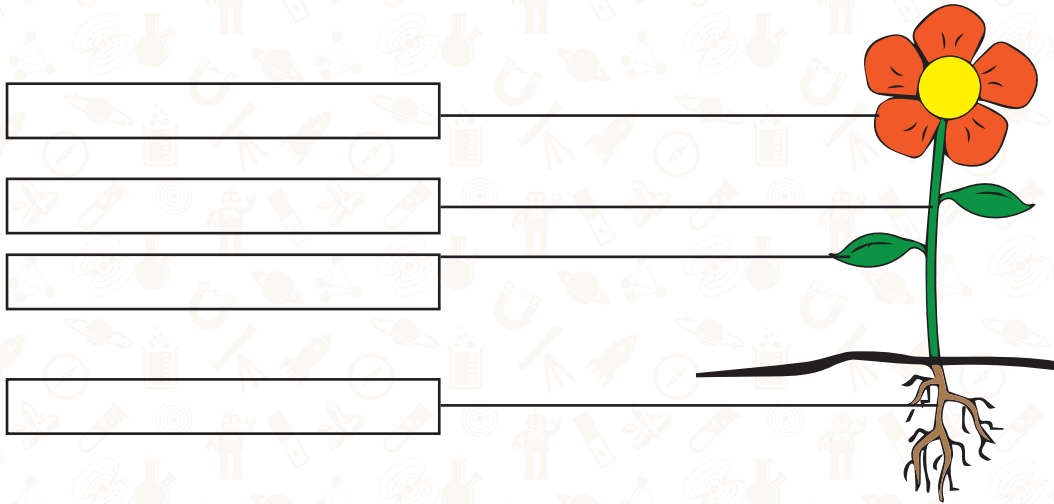
Concept Map



# PLANTS - PARTS WE EAT

## ? Label parts of a plant

In the figure shown, label the parts of plant.



## i Plant parts we eat

Which parts of the plant do we usually eat? The seed? The fruit? When we eat sugarcane, we are eating the stem of the plant. When we eat spinach or lettuce, we are eating the plant's leaves.



With some plants we eat more than one part. The root of the beet plant is what most people like to eat, but the leaves are also good to eat—in salads



Potatoes are stems of the plant—not roots. Potatoes are technically a “modified stem.” Many people think it is a root, because it grows underground, but is really a stem that will develop ‘eyes’ that sprout additional stems and plants.





## **i** How to identify which part the vegetable comes from?



These are leaves of the plant.



Root vegetables have small hair like particles.



Fruits have seeds inside. Some of the plants we consider to be vegetables are technically fruit.

Stem vegetables have small nodes from which new plants can branch out / grow.

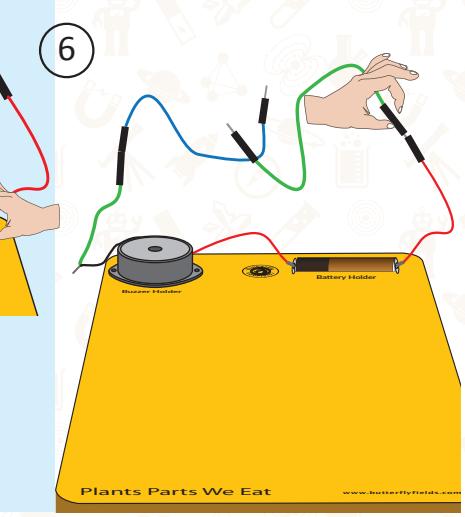
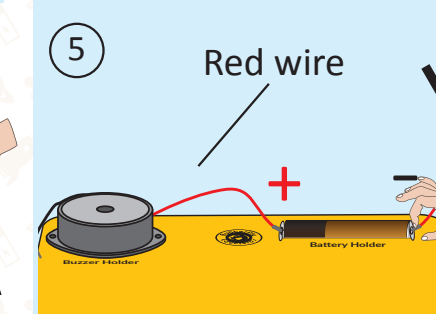
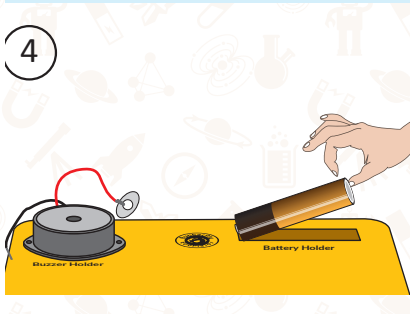
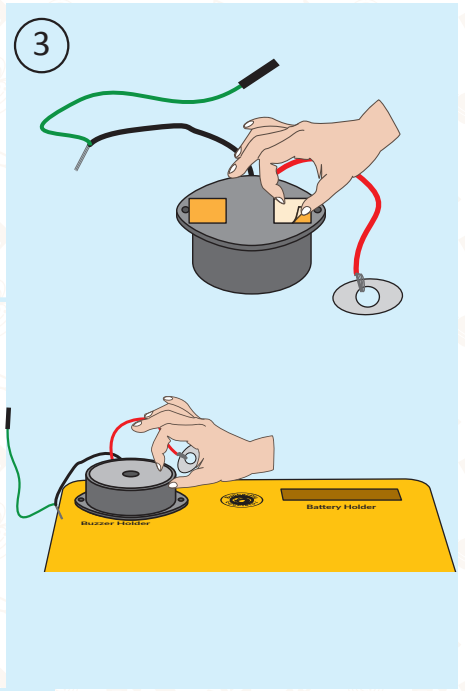
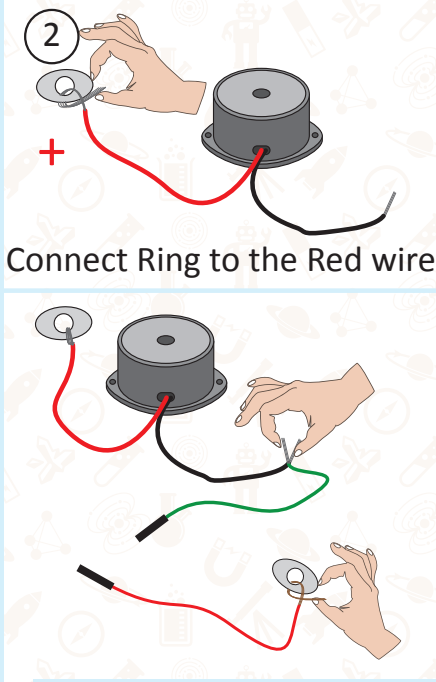
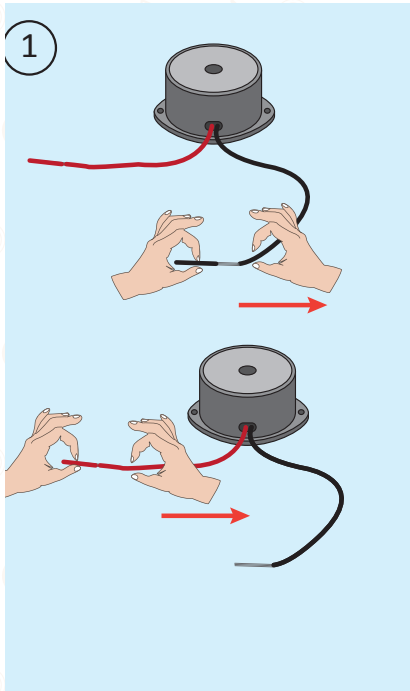
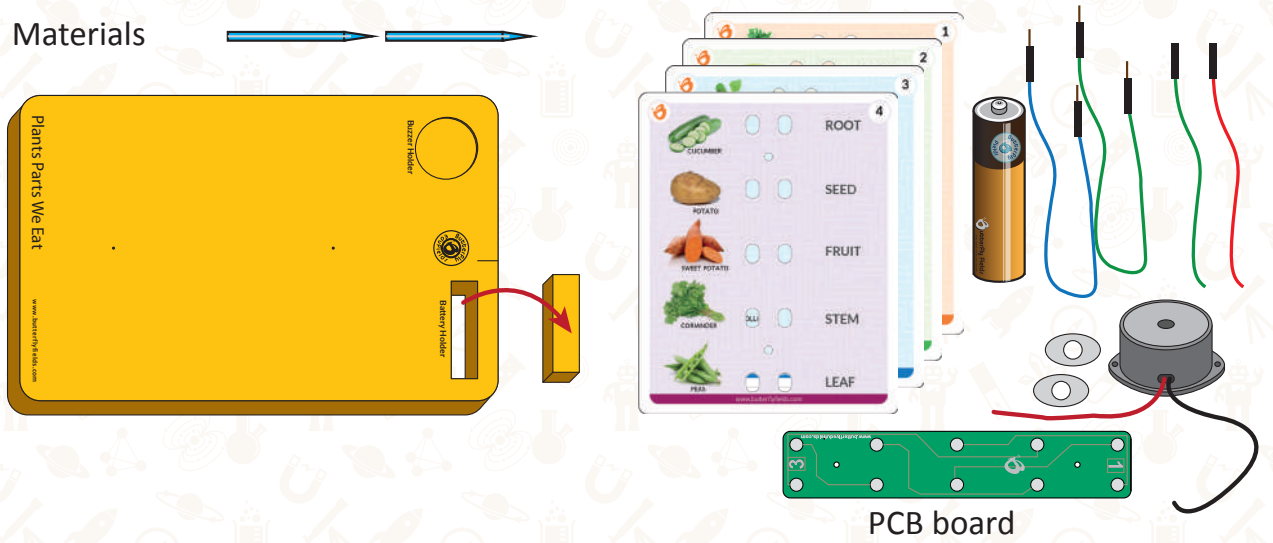


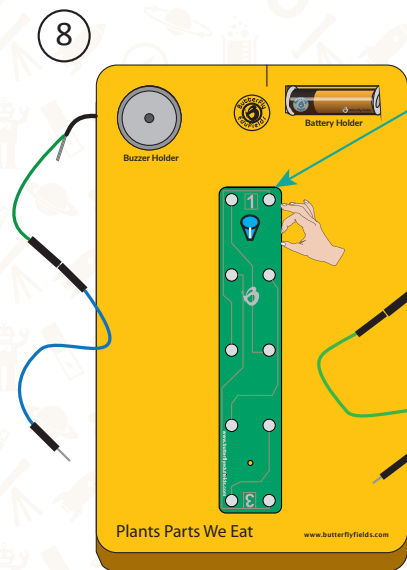
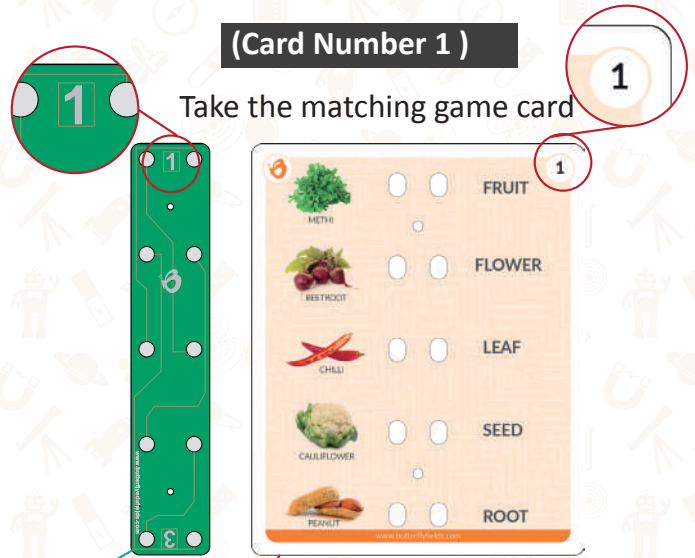
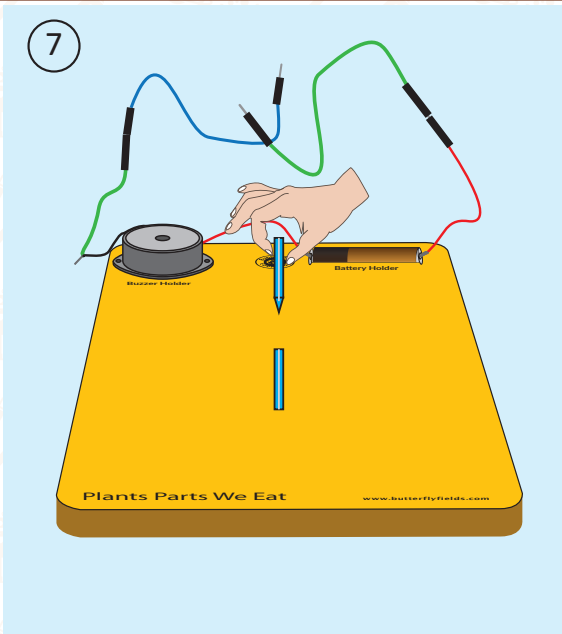
Seeds are found inside the fruits of the plant



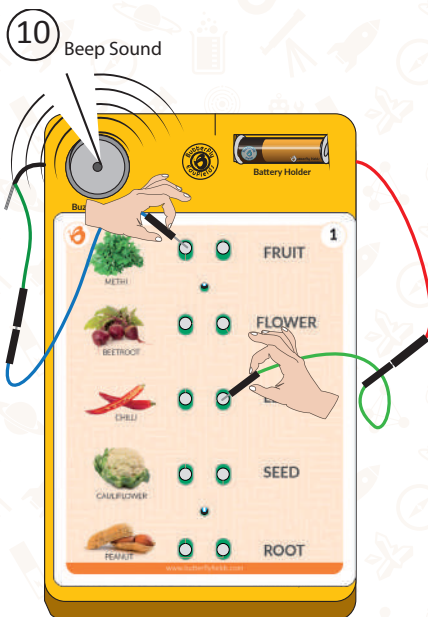
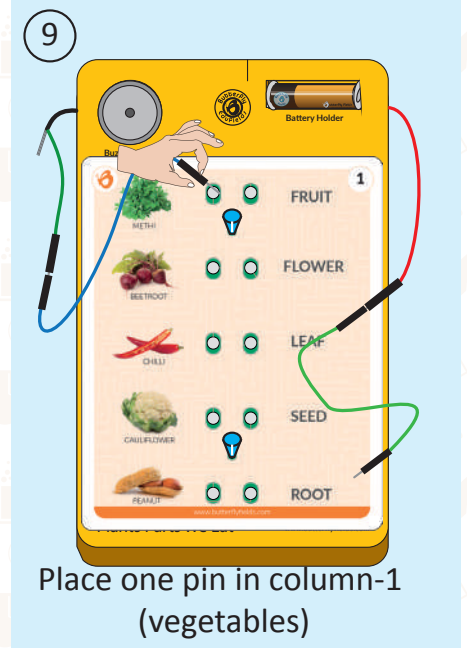
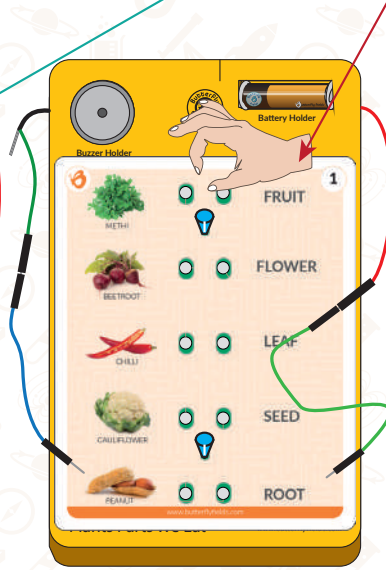
# Puzzle Setup: Vegetable & the part of the plant

Materials



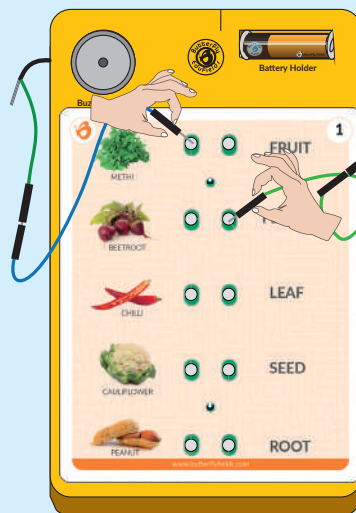


Insert the PCB board & the game card through the plastic sticks

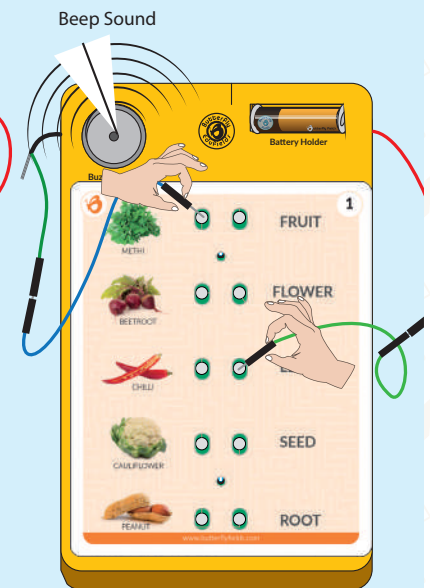


Place the other pin in column-2 (part-names)

Match the vegetable to the part it represents in a plant. Example:



METHI - Flower (Wrong)



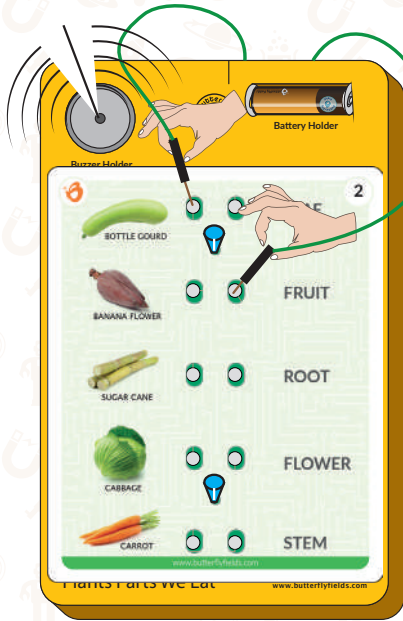
METHI - Leaf (Right)



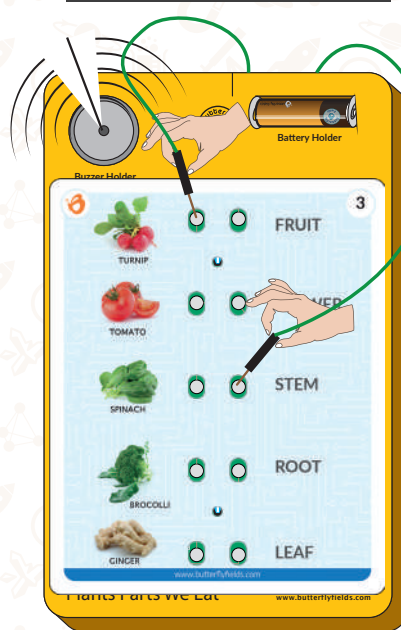


Change game cards & PCB board to play a different puzzle.

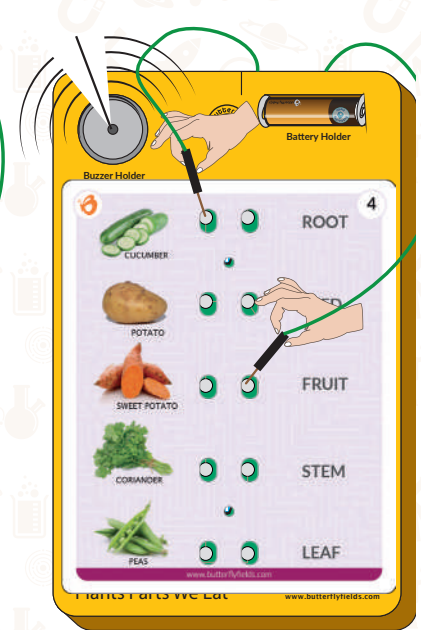
(Card Number 2)



(Card Number 3)



(Card Number 4)



If there is a beep sound, draw a matching line in the workbook.



**Observation:**






1. Match the vegetable to the part it represents.

	<input type="checkbox"/>	<input type="checkbox"/>	FRUIT
METHI	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	FLOWER
BEETROOT	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	LEAF
CHILLI	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	SEED
CAULIFLOWER	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	ROOT
PEANUT	<input type="checkbox"/>	<input type="checkbox"/>	

	<input type="checkbox"/>	<input type="checkbox"/>	LEAF
BOTTLE GOURD	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	FRUIT
BANANA FLOWER	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	ROOT
SUGAR CANE	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	FLOWER
CABBAGE	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	STEM
CARROT	<input type="checkbox"/>	<input type="checkbox"/>	








**6** **3**

	<input type="checkbox"/>	<input type="checkbox"/>	<b>FRUIT</b>
TURNIP	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>FLOWER</b>
TOMATO	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>STEM</b>
SPINACH	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>ROOT</b>
BROCOLLI	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>LEAF</b>
GINGER	<input type="checkbox"/>	<input type="checkbox"/>	

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**6** **4**

	<input type="checkbox"/>	<input type="checkbox"/>	<b>ROOT</b>
CUCUMBER	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>SEED</b>
POTATO	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>FRUIT</b>
SWEET POTATO	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>STEM</b>
CORIANDER	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<b>LEAF</b>
PEAS	<input type="checkbox"/>	<input type="checkbox"/>	

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2. Write down the part names for these vegetables.







3. Group all the vegetables in the cards into the 6 given categories.

Root	Stem	Leaf	Flower	Fruit	Seed

### Are Mushrooms plants?

Plants are green because they contain chlorophyll, which helps them with photosynthesis, the process of turning sunlight into food. Mushrooms are not green and they contain no chlorophyll; therefore, they cannot photosynthesize.



Mushrooms obtain their food by metabolizing dead or decaying organic matter, such as dead plants on the ground. This is why you often see mushrooms growing on dead tree stumps.



# Self Assessment

Match the plant part that was used from each plant



Leaves

Flowers

Stem

Roots

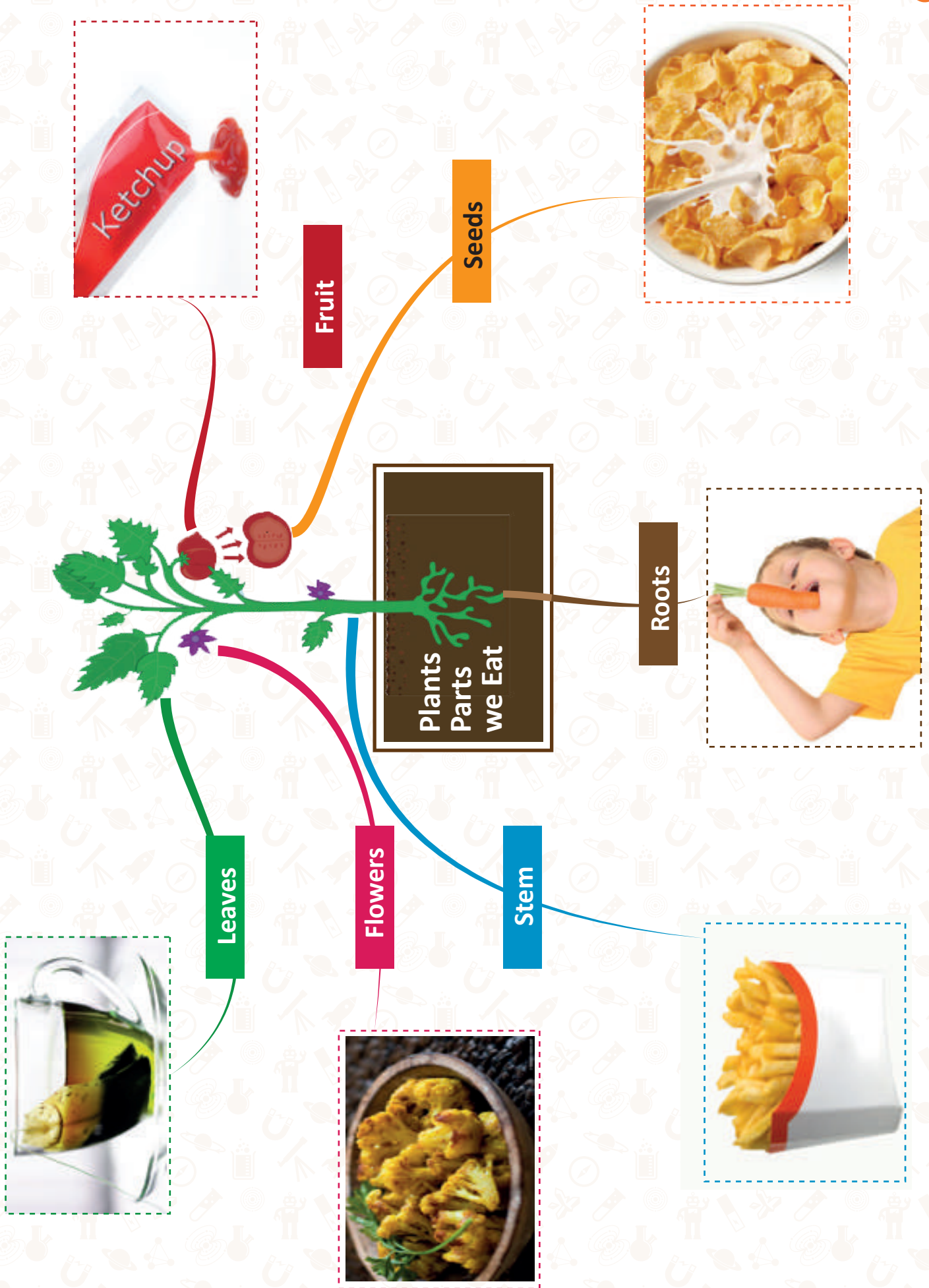


Fruit

Seeds











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- Finding answer to a question

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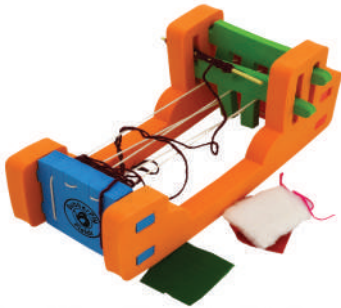


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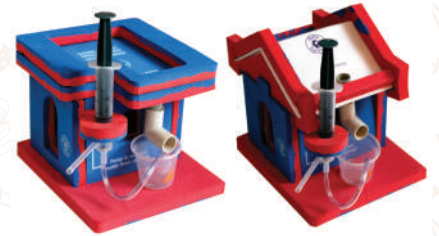
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“Such innovative tools can improve effectiveness of student learning.”

Dr. APJ Abdul Kalam appreciating the efforts of Butterfly Fields

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Students impacted

9,000+  
Schools reached

18  
States

3  
Countries