

Name:	Studysheet1	School: الأولى المختلطة
Class: 5 <sup>th</sup> grade (A, B, C, D)	2025-2026	
First Semester	Subject: Science	Date: / / 2025

Dear parents and students,

The first quiz for science will be on Wednesday 1/10/2025

The required lesson is: Flowering plants p32

## Classification of plants

Flowering plants

Non-flowering plants



Flowering plants

Plants produce flowers and make seed



Non-Flowering plants

Plants do not produce flowers



### Why do plants have a flower?

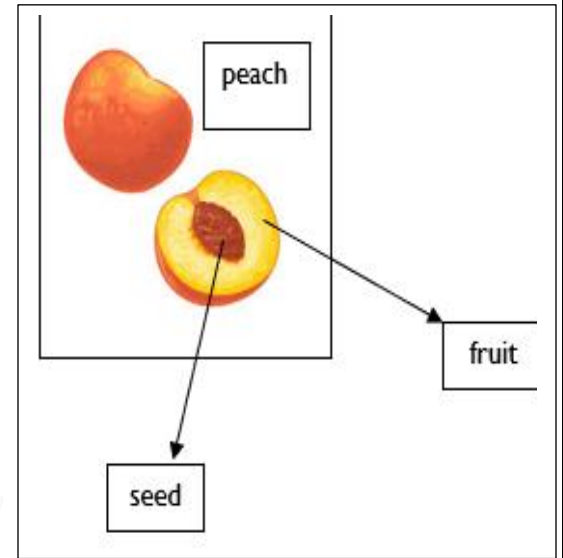
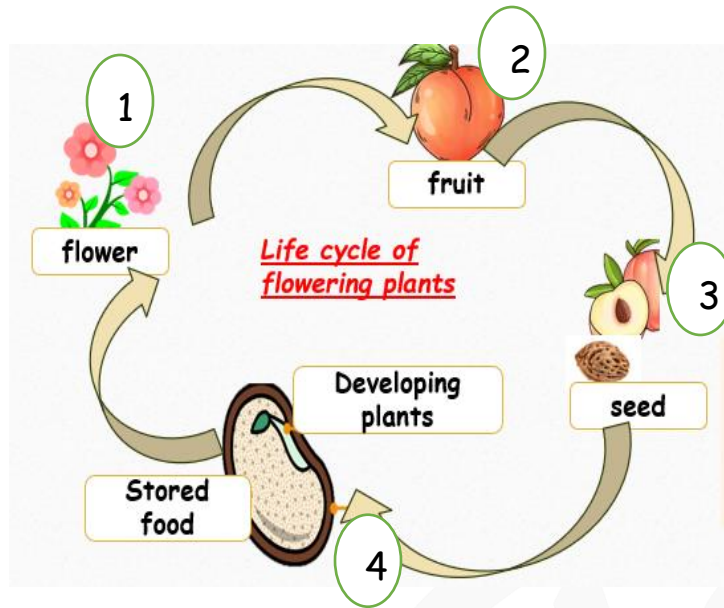
Because **flowers** are the **reproductive** parts of the flowering plants

### What are the reproductive parts of the flowering plants?

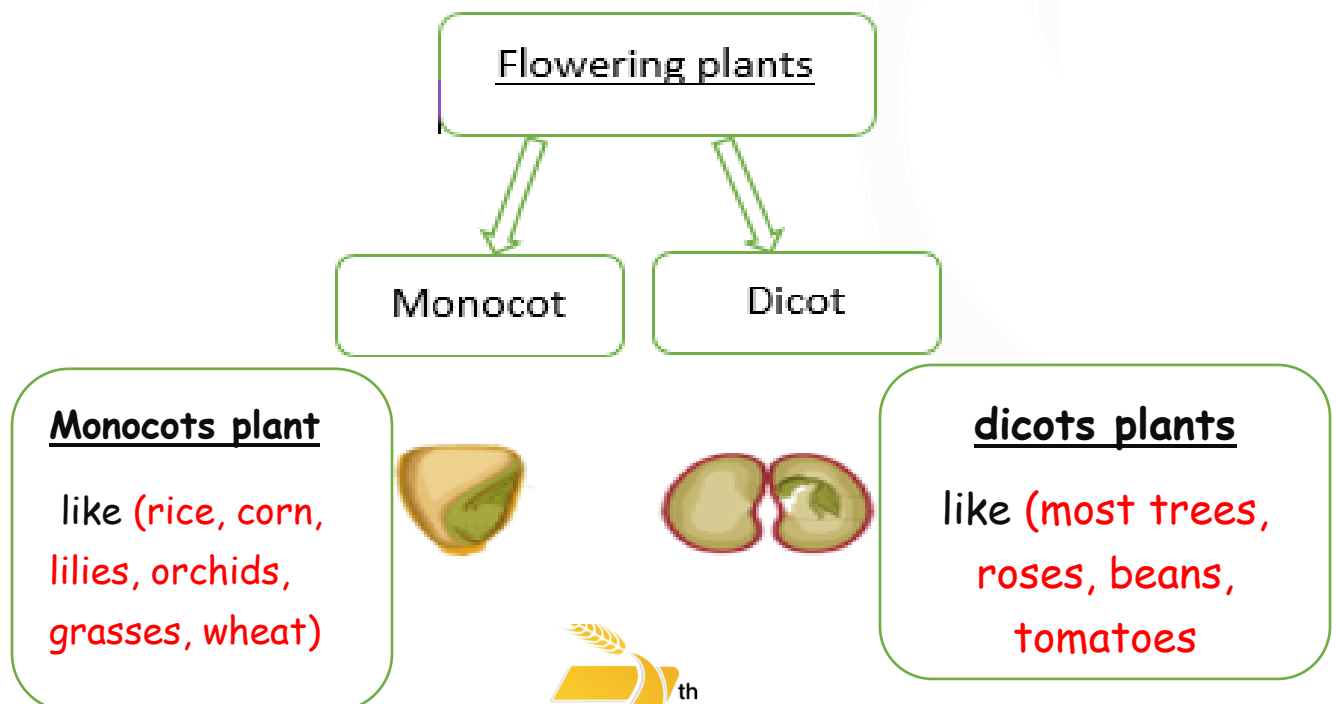
The flowers

### Fact (1)









Most of the plants you see every day are flowering plants



Scientists classify flowering plants into two main groups based on the number of leaflike structures inside their seed:



## What are the 4 differences between monocot and dicot plants?

	Monocot	Dicots
Seed leaf	 <b>1</b>	 <b>2</b>
Flower parts	 <b>3 or multiple of 3</b>	 <b>4 or 5 or multiple of 4 and 5</b>
Leaves	 <b>Parallel</b>	 <b>Net or branching</b>
Roots	 <b>Thin and fibrous</b>	 <b>Tap root system or main root</b>

### 1. Seed leaf

Monocot plant has one seed leaf while dicots plant has two seed leaf

### 2. Flower parts

Monocot flowers are typically in multiples of three; dicot flowers are in multiples of four or five

### 3. Leaves venation

The veins in monocot leaves are parallel and straight whereas in dicot leaves its net-like or branching

### 4. Roots

Monocots have fibrous roots (thin root), while dicots develop a main taproot(thick)