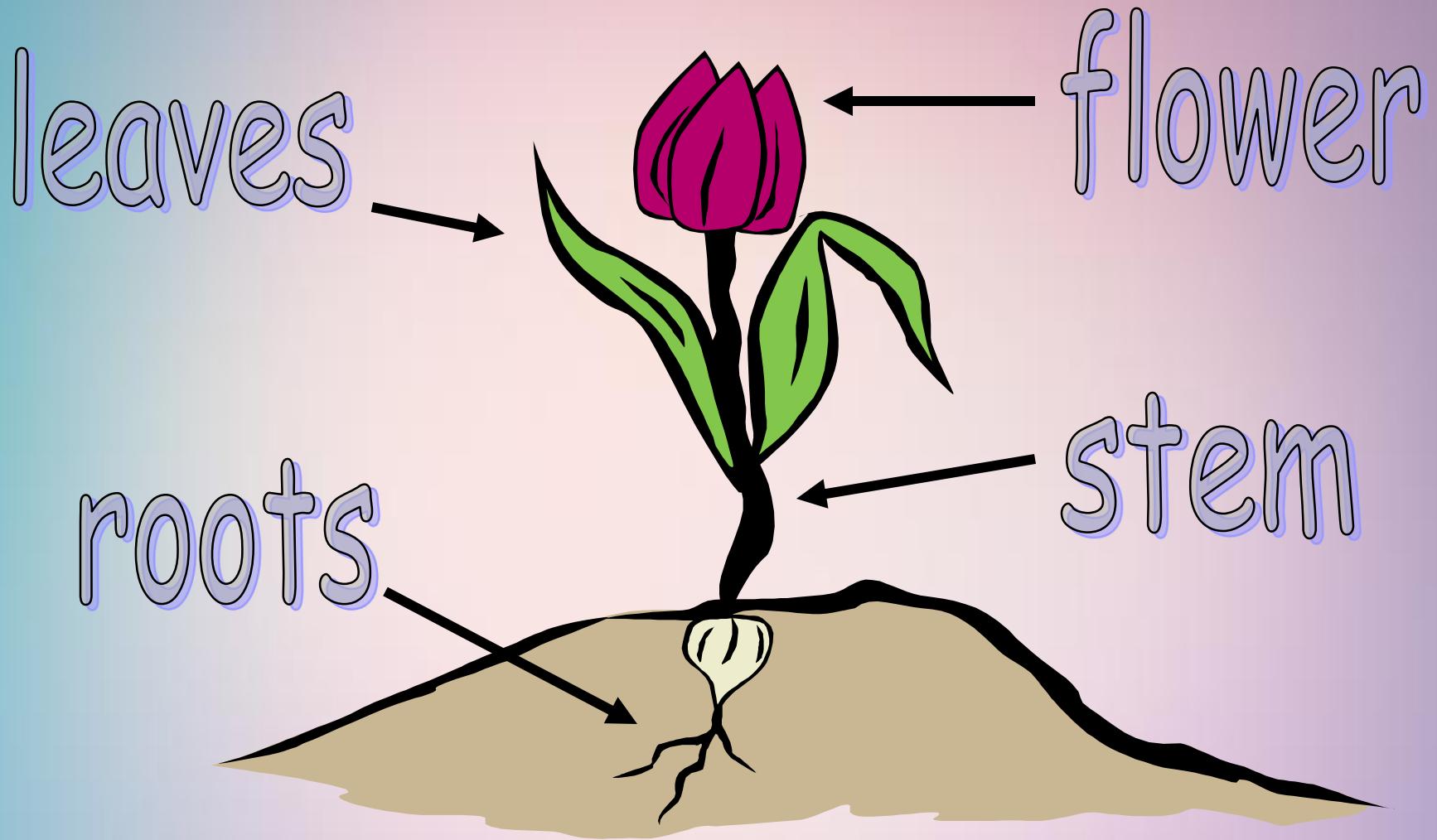
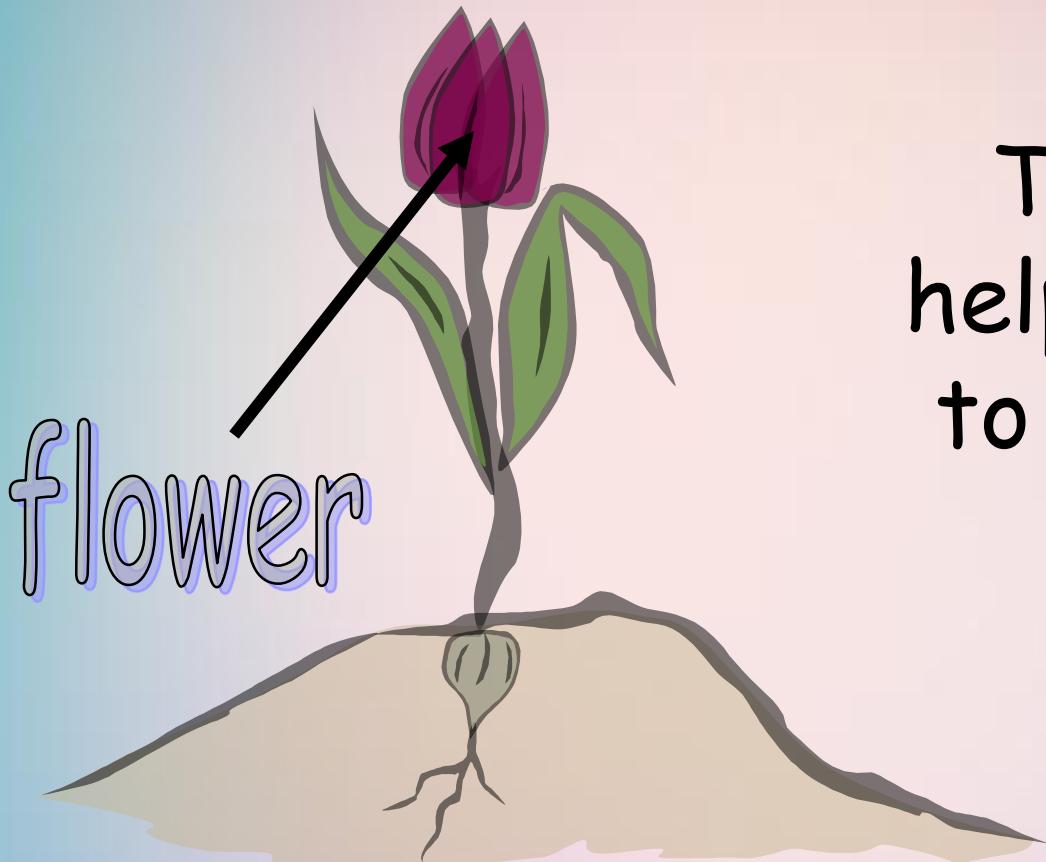


Flower and Fruit





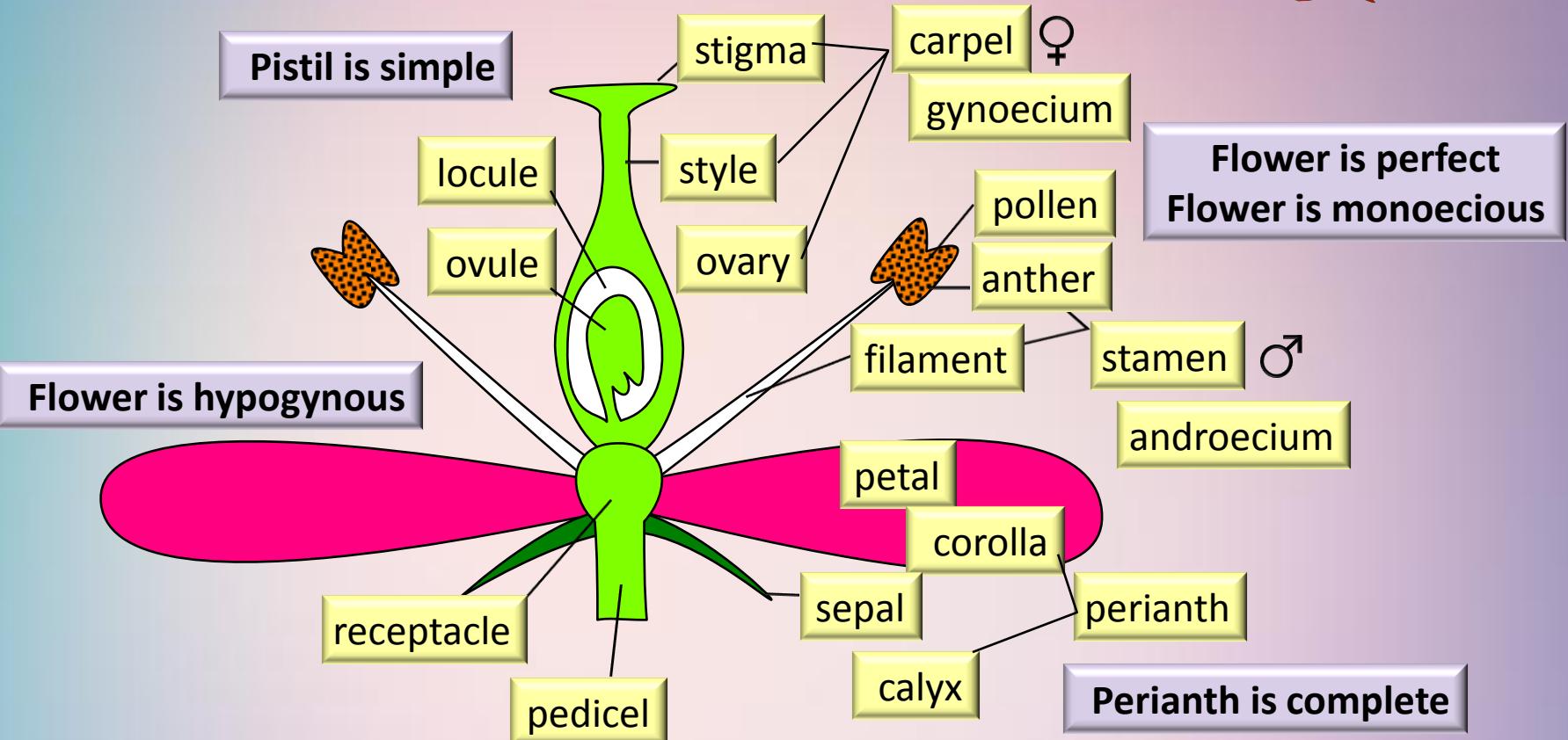
What is the function of the flower?



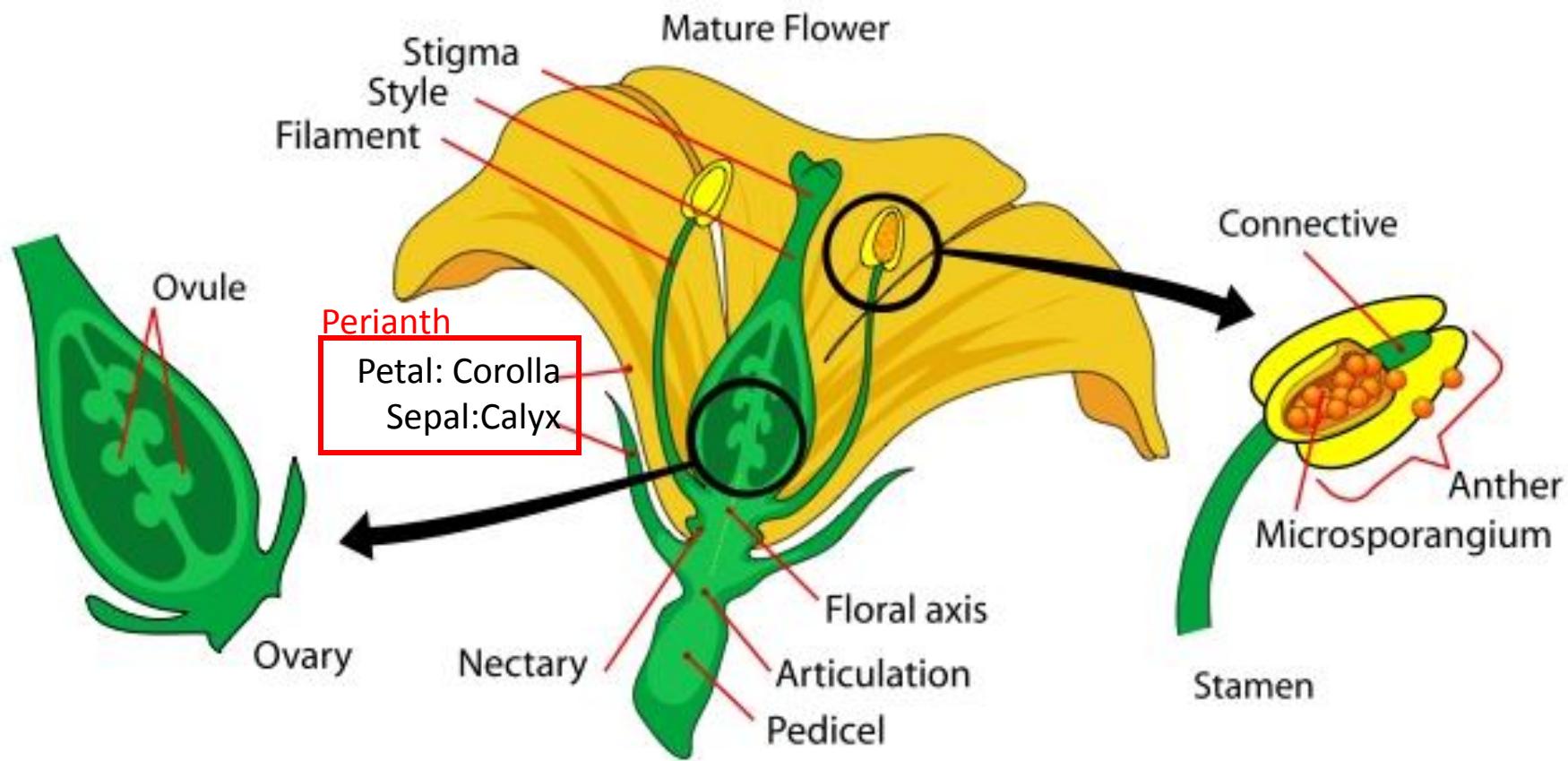
The flower
helps the plant
to reproduce.



Basic Flower Structure



The Reproductive Structure of Flowering Plants:



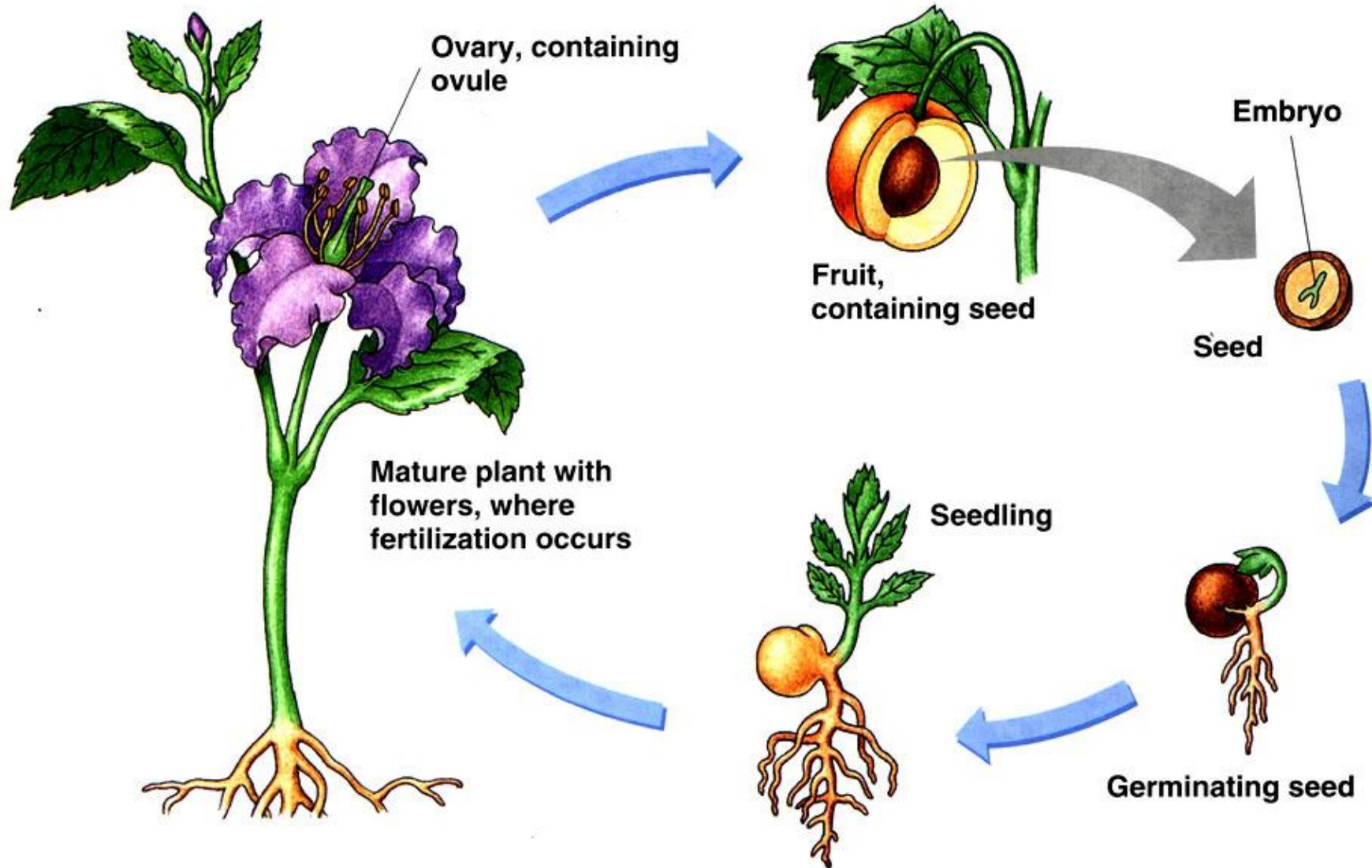
Classification of Fruits



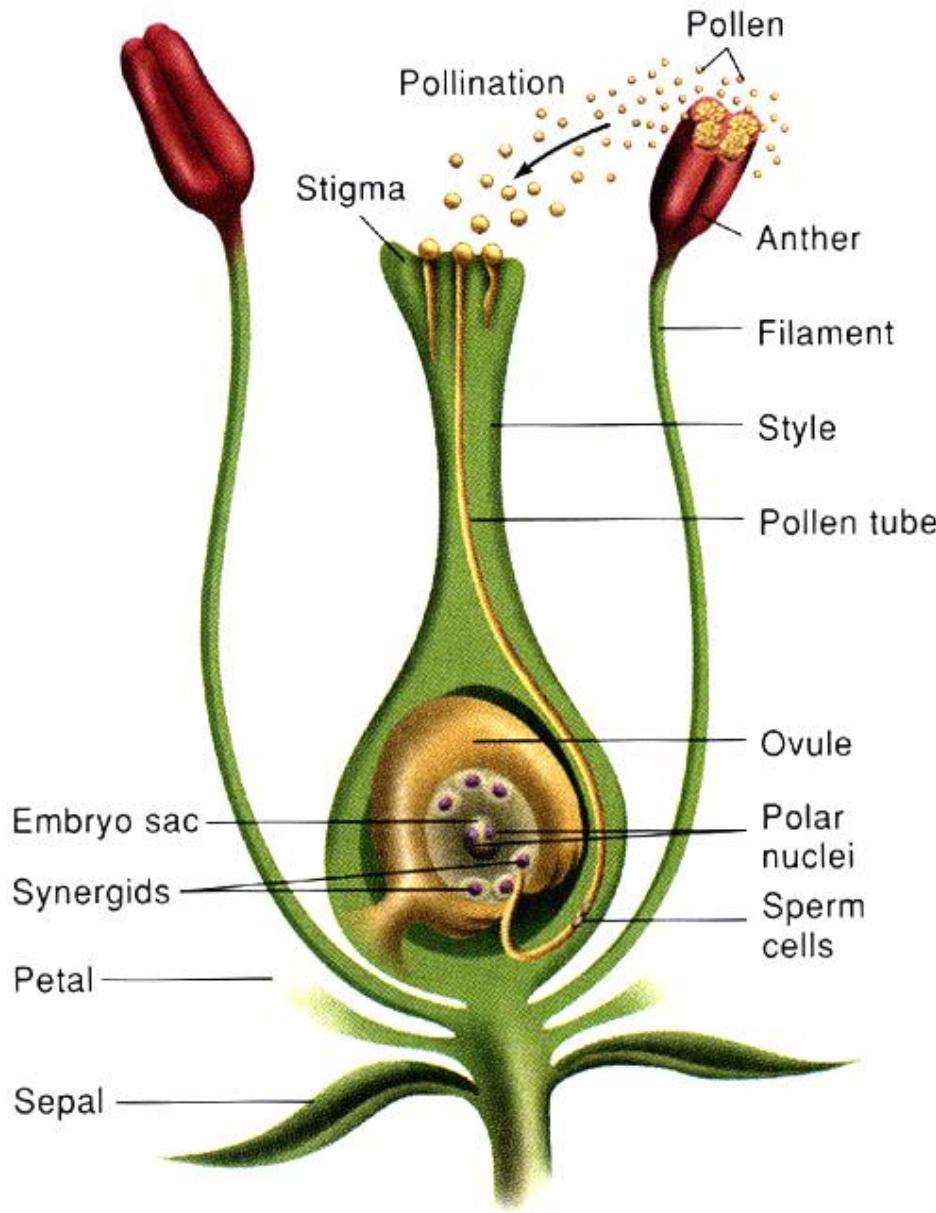
Fruit

fruit can be defined as part of a flowering plant that derives from specific tissues of the flower, one or more ovaries, and in some cases accessory tissues".

Fruits



A fruit develops from the ovary wall after fertilization of the egg in the ovule

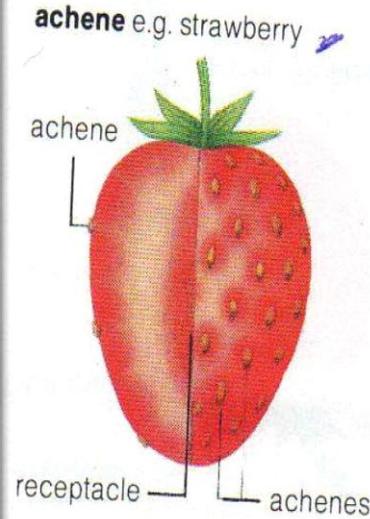
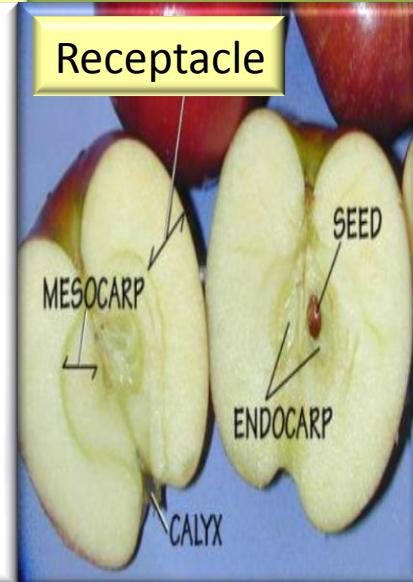


A seed develops from the ovule after fertilization of the egg in the ovule

First

Classification of fruits

A-True



B-False

Second

Classification of Fruits

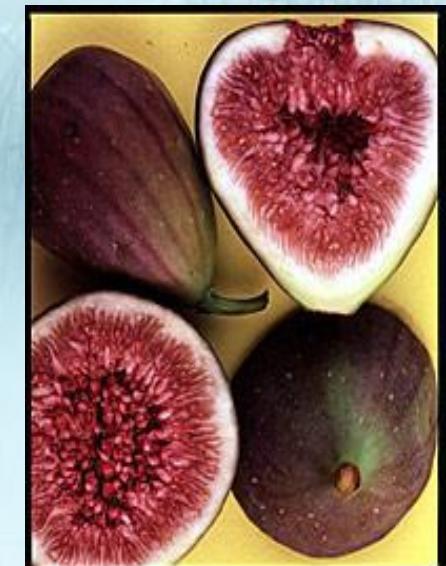
Simple
(e.g. Senna pods)



Aggregate
(e.g. Star anise)



**Composite
(compound, multiple)**
(e.g. Figs)



الثمار البسيطة Simple Fruits

1- Succulent (fleshy pericarp)

2- Dry Fruits

الثمار الغضة Succulent Fruits

حستية

Drupe

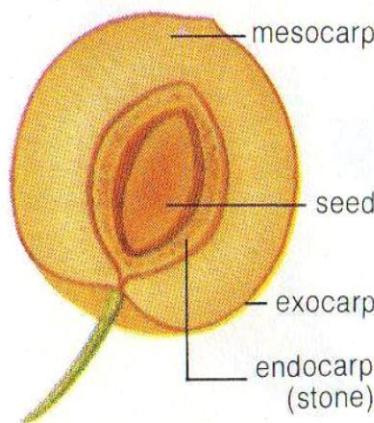
لبية

Berry

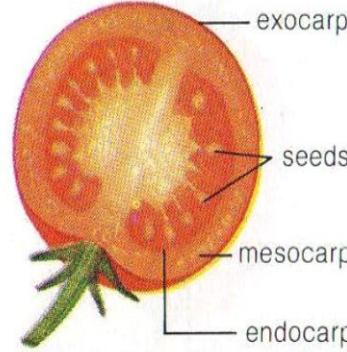
تفاحية كاذبة

Pome

drupe e.g. apricot



berry e.g. tomato



Dry Fruits التمار الجافة

جافة متفتحة
Dehiscent

جافة غير متفتحة
Indehiscent

منشقة
Schizocarpic

I-Dehiscent Fruits

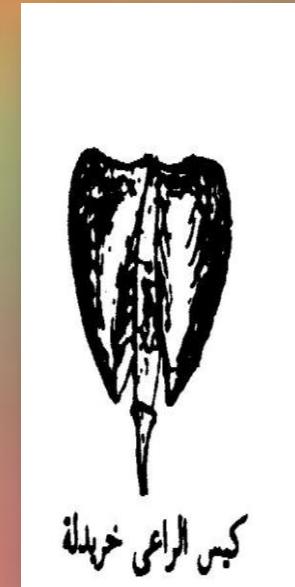
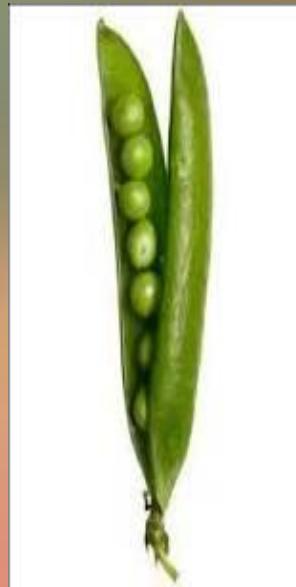
جرابية
Follicle

قرنية
Legume

خردلة
Siliqua

خریدلة
silicula

علبة
Capsule



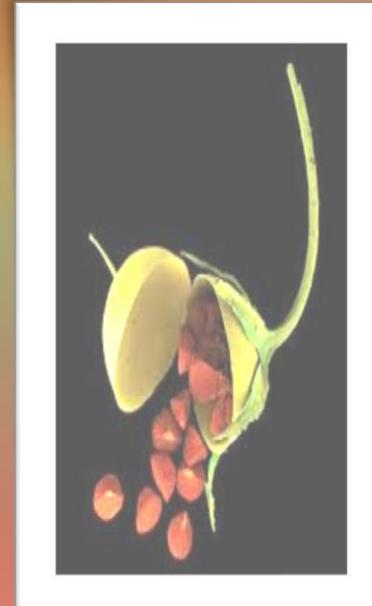
Capsule علبة

Porous ثقوب

teeth اسنان

Lid غطاء

Valves صمامات



II-Indehiscent Fruits

غير متفتحة

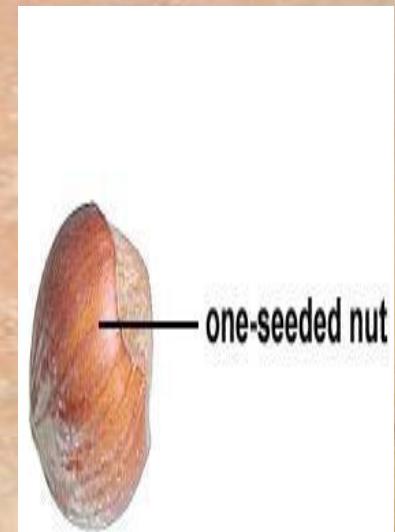
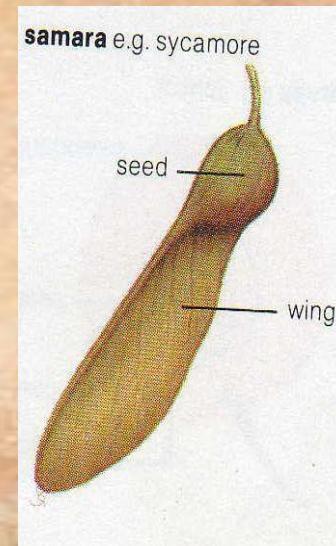
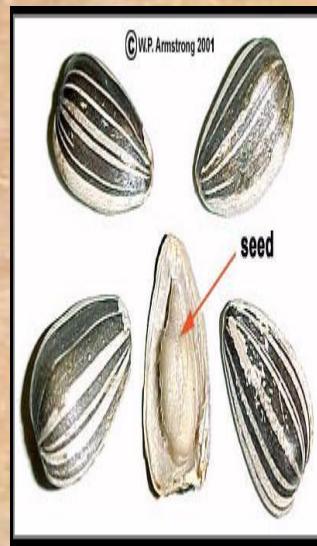
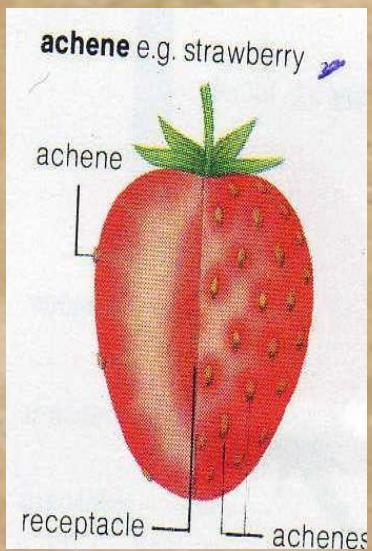
فقيرة
Achene

برة
Caryopsis

سبسلا
Cypsella

جناحية
Samara

بندقة
Nut



III-Schizocarpic Fruits

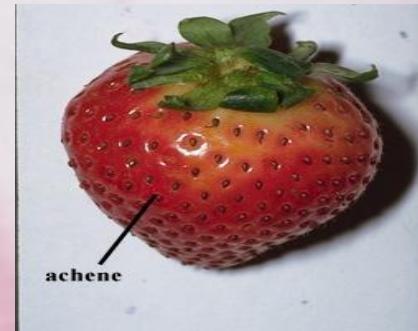
منشقة



الثمار المتجمعة

Aggregate Fruits

Achenes



strawberry



rasberry

Follicles

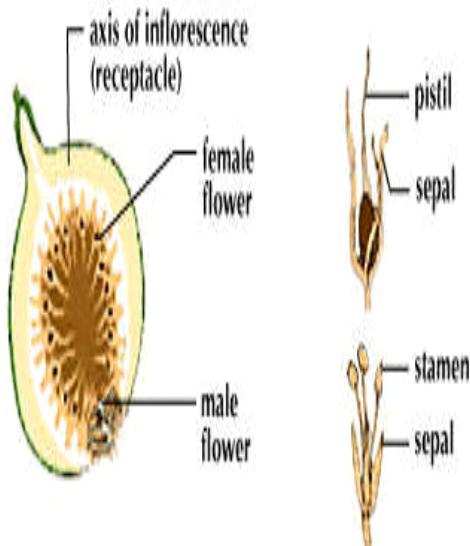


©2000 TheTable.com

Composite Fruits (Compound, Collective or Multiple)

ثمار مركبة تينية

Multiple (Compound) Fruit
(fig)

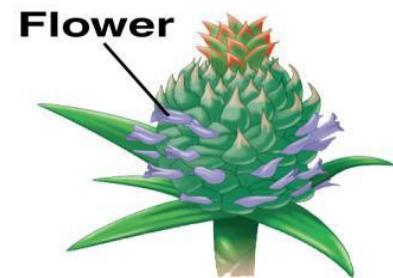


ثمار مركبة توتية



Multiple Fruit (Many Drupelets):
Each seed-bearing drupelet from
the ovary of one pistillate flower.
k Mulberry (*Morus nigra*)

ثمار الأناناس



Pineapple inflorescence

Each segment
develops
from the
carpel
of one
flower



Pineapple fruit

(c) Multiple fruit

© 2011 Pearson Education, Inc.