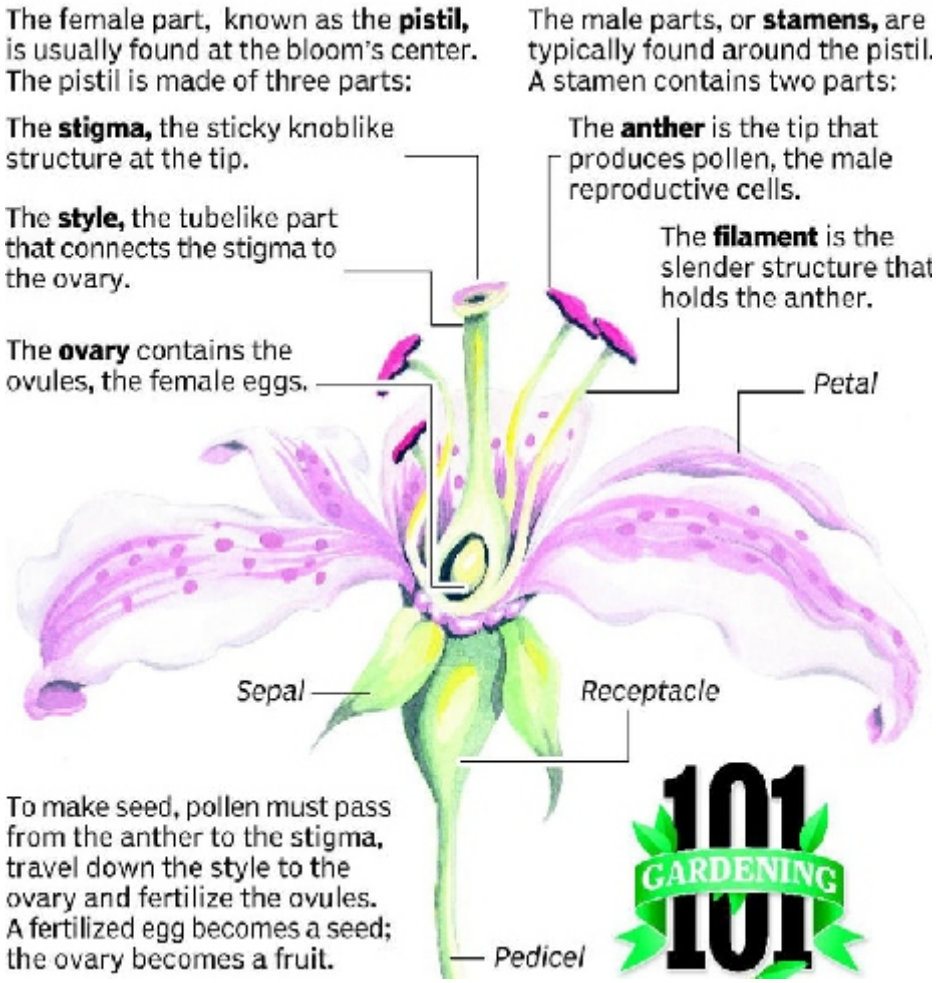
ANGIOSPERMS: FLOWERING PLANTS

4/1/94, 3/31/95, 4/4/97, 31 Mar 00, 3 April 2000,
30 Mar 01, 30Mar05, Apr08, 6Apr09, 31Mar10, 4Apr10

Campbell: 567-, 673, 687, 730-740, Campbell's 6th: 606-613, 7th: 598-606
Sadava: 638-648

Angiosperms = "Seeds in vessel"

Appeared 120 mil yr ago



FLOWER PARTS

All originated as leaves which evolved to become specialized:

(see p. 640, 642, 820)

Start at the bottom, work our way up:

collective term	Wordstems	PART	Wordstems
CALYX	"cup, covering, husk"	**SEPALS**	"covering"
COROLLA	"little crown"	**PETALS**	"flower leaf"
STAMEN	"standing upright"	**ANTHER**	"flower"
		FILAMENT	"hair"
CARPEL	"fruit"	**STIGMA**	"spot, mark, point"
		STYLE	"pillar, stalk"
		OVARY	"egg, place for"
		OVULE	"egg, little"

FERTILIZATION:

1) pollen lands on stigma
2) pollen grows tube down into style
3) carries several nuclei (tube nucleus as well as fertilizing nucleus)
4) Pollen fertilizing nucleus joins with egg nucleus