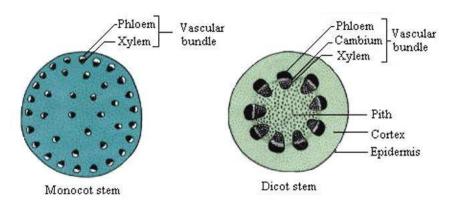
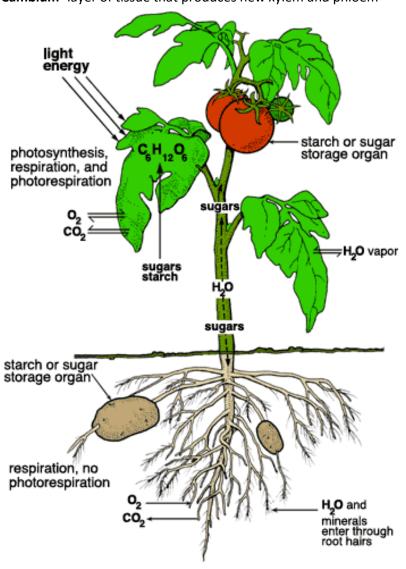
Master Gardener Botany Handout



Xylem - water and nutrient conducting tissue **Phloem** - photosynthate (food) conducting tissue **Cambium**- layer of tissue that produces new xylem and phloem

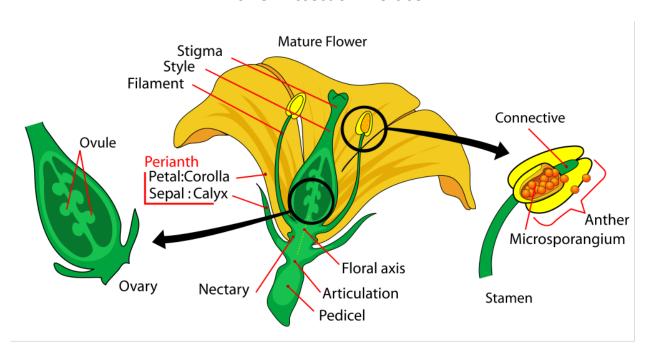


Photosynthesis: the process where green plants convert CO₂ and water to food via energy from the sun

Respiration: the process of converting sugars and starches into energy to be used by the plant for growth

Transpiration: the process of losing water (in the form of vapor) through stomates

Flower Dissection Exercise



Please find the following parts on your flower:

<u>Perianth</u>		<u>Fe</u>	Female Parts		Male Parts	
	Petals		Stigma		Anther	
	Sepals		Style		Filament	
			Ovary		Stamen (entire male structure)	
			Ovule			
	Pistil (entire female structure		ture)			

Is your flower complete or incomplete (containing all the flower parts)?

Is your flower perfect or imperfect [has male (staminate) and female (pistillate) parts]?