MASTER GARDENER
COLORADO STATE UNIVERSITY
EXTENSION

CMG GardenNotes #151

Worksheet: Plant Structures

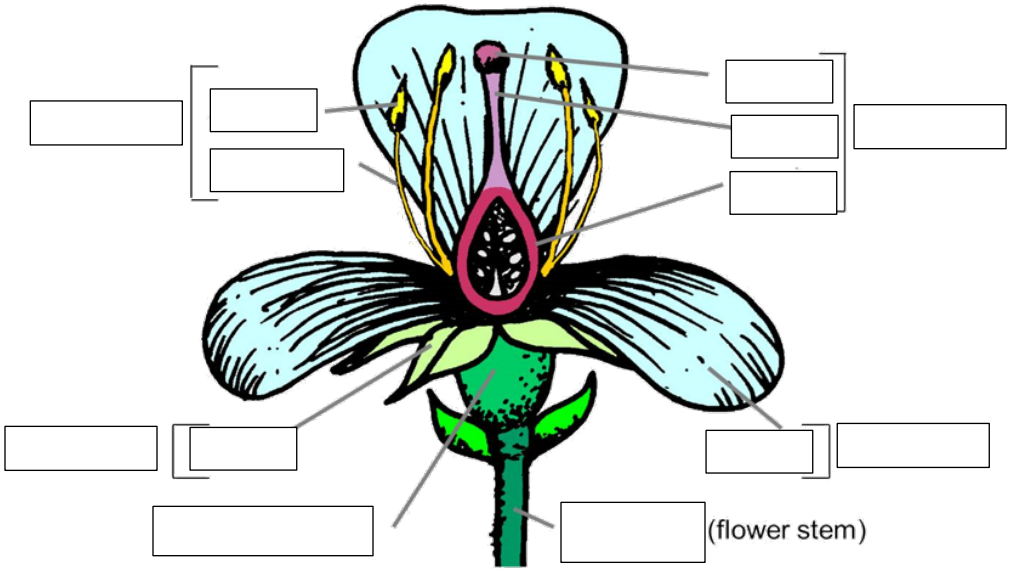
The objective of this work sheet is to gain experience systematically looking at plant parts and connecting what you see with print information.

1. Flower parts

Using your real flower specimen, locate the flower parts that are present. Not all flowers will have all parts present, i.e. incomplete flowers. Then, fill in the blanks below using the picture of a flower having all parts present, i.e. perfect flower. Reference GardenNotes #135

NOTE: Brackets below (in picture) indicate collective structure

- ☐ **Anthers**
- ☐ **Calyx**
- ☐ **Corolla**
- ☐ **Filament**
- ☐ **Ovary**
- ☐ **Pedicel**
- ☐ **Petals**
- ☐ **Pistil**
- ☐ **Receptacle**
- ☐ **Sepals**
- ☐ **Stamen**
- ☐ **Stigma**
- ☐ **Style**



BONUS: *Based on GardenNotes #136, What does a mature ovary look like on an apple tree?*

2. Identify the type of flower

Use what you know about these flowers OR look them up to identify the inflorescence or flower arrangement on a stem. Reference GardenNotes #135

Flower	Inflorescence Type		Flower	Inflorescence Type
Allium			Achillea	
Sunflower			Poppy	
Foxglove			Calla Lily	

3. Identify the type of fruit

Use what you know about these fruits OR look them up to identify the fruit type.
Reference GardenNotes #136

Fruit	Fruit Type		Fruit	Fruit Type
Apple			Strawberry	
Pinecone			Juniper berry	

4. Annual Growth

Use branch samples provided in class. Reference GardenNotes #133.

Examine young branches and twigs, looking for the annual growth rings (terminal bud scars). Based on the ***terminal bud scars***, measure the annual growth for the past three years to the nearest inch. Note: The annual growth rings are easy to read on some species and more difficult on other species.

Branch Sample 1		Branch Sample 2	
New growth (season/year 1)	_____	New growth (season/year 1)	_____
Previous season (season/year 2)	_____	Previous growth (season/year 2)	_____
Three years back (season/year 3)	_____	Three years back (season/year 3)	_____