

## Arthropod Collection

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

The arthropod collection consists of 25 specimens. Only collect and mount members of the Phylum Arthropoda. No LARVA. All but 3 specimens must be collected by yourself. Your collection should include members of the following Classes and Orders:

Class	Order	# Required	Points	Points
Arachnida	n/a	3	1 2 3 4	1 2 3 4
			1 2 3 4	
Diplopoda	n/a	1	1 2 3 4	
Crustacea	n/a	1	1 2 3 4	
Chilopoda	n/a	1	1 2 3 4	
Insecta		14		
	Odonata	1	1 2 3 4	
	Orthoptera	2	1 2 3 4	
	Dermaptera	1	1 2 3 4	
	Hemiptera	1	1 2 3 4	
	Homoptera	1	1 2 3 4	
	Coleoptera	2	1 2 3 4	1 2 3 4
	Lepidoptera	2	1 2 3 4	1 2 3 4
	Diptera	2	1 2 3 4	1 2 3 4
	Hymenoptera	2	1 2 3 4	1 2 3 4
5 more Orders or Families from the Class Insecta (family need not be identified)				
1.			1 2 3 4	
2.			1 2 3 4	
3.			1 2 3 4	
4.			1 2 3 4	
5.			1 2 3 4	

**Grading:** 2 points: specimen condition (legs intact etc)  
 1 point: correct identification  
 1 point: labeling  
 20 points: Overall Presentation

**Labeling:** Each specimen should be labeled this way:

Class	Order
where collected	
date collected	
collector	

Please organize your collection by grouping classes and orders together in a box with styrofoam. You should use pins to mount your insects with the label pinned underneath or to the side. Remember it is your job to do the identifying! **Please turn this paper in with your collection.**

## Plant Collection

Name: \_\_\_\_\_ Due Date: \_\_\_\_\_

Collect and press 25 members of the Plant Kingdom, if it's a flowering plant, include the flower. All but 3 specimens must be collected by yourself. Your collection should include members of the classes and families:

Family/Class	# Required	Points				Points				Points			
Cupressaceae	2	1	2	3	4	1	2	3	4				
Pinaceae	2	1	2	3	4	1	2	3	4				
Class Magnoliopsida (No more than 2 from any family)	16	1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4								
Class Liliopsida (No more than 2 from any family)	5	1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4				

**Grading:** 2 points: specimen (leaves/stem/flower present in all but a few cases)  
 1 point: mounting, labeling (neat, attractive)  
 1 point: correct identification

20 points: Overall Presentation

**Labeling:** Each leaf should be labeled this way: Family  
 where collected  
 date collected  
 collector

Please organize your collection by grouping Classes and Families together in a 3-ring binder. Remember it is your job to do the identifying no one elses!

**Please turn this paper in with your collection.**

## Tree Leaf Collection

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

The leaf collection consists of 25 tree leaves, a brief description of the tree (size, shape, bark texture and color) and a free-hand drawing of the tree. No more than 3 specimens may be collected by someone other than yourself. Your collection should include members of the following Phylums:

Phylum	# Required	Points											
		1	2	3	4	1	2	3	4	1	2	3	4
Coniferophyta	5*	1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4				
Anthophyta	20**	1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4	1	2	3	4
		1	2	3	4	1	2	3	4				

\*no more than 2 specimens from each family

\*\*no more than 4 specimens from each family

**Grading:** 2 points: drawing and description of tree (color)  
1 point: mounting, labeling, condition of leaf (neat, attractive, laminated)  
1 point: correct identification

20 points: Overall Presentation Grade

**Labeling:** Each leaf should be labeled this way:

Family *Genus*  
where collected  
date collected  
who collected

Please organize your collection by grouping Phylums and Families together in a 3-ring binder. Remember you must identify these on your own.

**Please turn this paper in with your collection.**