Name	Period

Patterns in Plants: A Botany Lesson

Part A: Eight Core Plant Families (easy to identify and widespread)

Example: *Hibiscus*. **Family**: Mallow. **Latin Name**: Malvaecae. **Pattern**: 5 separate petals, fused stamens around pistil. **Examples**: okra, hollyhock. **Number of Species**: 1500. **Quality**: mucilaginous. **Cautions**: greens and flowers most edible.

Usually aromatic Irregular flowers	1. Family:	Latin Name:	
	Pattern:		
A Too			
	# of Species:	Quality/Taste:	
Opposite leaves		Quality/ ruste.	
Square stalk			
	2. Family:	Latin Name:	
	Pattern:		
Small flowers	Examples:		
Compound umbals	# of Species:	Quality/Taste:	
5 petals 5 stamens			
14			
6 stamens (4 tall; 2 short)		Latin Name:	
4 sepals	Examples:		
((11))	# of Species:	Quality/Taste:	
4 petals		Quanty/ raste.	
	<u> </u>		
hregular flowers (not symmetrical) Banner petal	4. Family:	Latin Name:	
	Pattern:		
Wing	Examples:		
Wing		Overlity /To-star	
Keel		Quality/Taste:	
The keel consists of 2 petals fused together.	Cautions.		
~ 75	5. Family:	Latin Name:	
STA	Pattern:		
(C)	Examples:		
	# of Consider	Ovality /Tasks	
6 stamens 1		Quality/Taste:	
3-parted 3 sepals and 3 petals platii (same size and color)	Cautions:		
		77	
Simple Flower Structure:		- \(\frac{1}{12} \rightarrow \frac{1}{12} \ri	
		/ (\V \V)	
apic i iotici oti detaici			
		<i>y</i> /	

Plotii 3 stamens Bract	6. Family:	Latin Name:
CHAN I		
-	# of Species: _	Quality/Taste:
Bract	Cautions:	
A bract is a modified leaf.		
Numerous	7. Family:	Latin Name:
5 petats		
	Examples:	
10 M	# of Species:	Quality/Taste:
A STATE OF THE STA		Quality/ raste
	<u> </u>	
Ray flowers Disc flowers	8. Family:	Latin Name:
1 V VZ	Pattern:	
Pistil		
Stamens		
Composites consist of many small flowers	# of Species: _	Quality/Taste:
attached to a pitted disc.	Cautions:	
		Dort D. What kind of flouraging plant?
N	MONOCOT	Part B: What kind of flowering plant?
۸ (۱) .		# of Species:
		# of Species
Usually straight-veined	- determ	
1 seed leaf	Examples:	
Chera .		
Monocotyledon		
Ba MB	DICOT	
Usually net-valued	Families:	# of Species:
	Pattern:	
leaves		
2 seed loaves	examples:	
Dicotyledon		
	Part C: I	Identify new flowers
Pattern:		·
 Family:		Species:

Extra Credit: What are the names of the five card games demonstrated in the video?

This worksheet may be photocopied for classroom use.

Illustrations adapted from Shanleya's Quest: A Botany Adventure for Kids ages 9 to 99 and Botany in a Day: The Patterns Method of Plant Identification by Thomas J. Elpel with permission from HOPS Press, LLC – www.HOPSPress.com