

Create-a-Plant Instructions

Created by: IRRC	Time required: 30-45 minutes
Subject: Science/ Art	Grade Level: 3rd +

Overview:	Students will create their own plant following the “Create-a-plant” worksheet then they will draw and color their plant to share with the other students.
Goal(s) & Objective(s)	Students will take their prior knowledge from activities 1-6 and apply it by creating and drawing a plant of their own.
Materials:	<ul style="list-style-type: none"> • “Rangelands and Their Plants” • “How to Identify Range Plants” • “Create-a-Plant” worksheet • Drawing Paper • Colored pencils/crayons • Pencil
Teaching Activities: <i>Instructional Approaches/strategies</i>	Procedures: <ol style="list-style-type: none"> 1. Younger students: Review “Rangeland Plant Background” and “How to Identify Range Plants” booklet. Older students can begin activity and use the background & booklet as references during this activity. 2. Create a plant using the “Create-a-plant” worksheet– each student will select 1 item from each category. 3. Draw and color a picture of the newly created plant. It should contain all characteristics that were chosen from the “create-a-plant” worksheet. 4. Students should be encouraged to be creative there are no rules in creating their plant.
Assessment:	<ol style="list-style-type: none"> 1. Verify that student’s plant drawings match the correct items that they chose from the “create-a-plant” worksheet.



Create-a-plant

Select 1 item from each box to create your very own plant.

Use "How to Identify Range Plants" & "Rangelands and Their Plants" as references.

* This is your plant create it anyway you want– Remember you have to draw it later!

Plant Name: _____

Habitat type: (What type of rangeland does your plant live in?)

- ◇ Grassland ◇ Shrubland
- ◇ Openwoodlands ◇ Savannas

Habitat Clues- (What adaptations does your plant show to make it suited for this habitat.)

Plant Classification:

- ◇ Forb ◇ Grass
- ◇ Grass-like ◇ Shrub

Classification Clues- (What characteristics classify your plant?)

Flower Types:

- ◇ Spike ◇ Raceme
- ◇ Ray Flowers ◇ Head
- ◇ Disk Flowers ◇ Panicle
- ◇ Ray & Disk Flowers ◇ Umbel

Leaf Arrangement: is the placement of leaves on the plant's stem.

- ◇ Basal ◇ Alternate
- ◇ Opposite ◇ Whorled

Leaf Shapes:

- ◇ Elliptical ◇ Palmate
- ◇ Arrow-shaped ◇ Obovate
- ◇ Lanceolate ◇ Linear
- ◇ Oblanceolate, ◇ Ovate

Leaf Margins:

- ◇ Entire ◇ Serrated
- ◇ Lobed-pinnate ◇ Toothed
- ◇ Lobed-palmate ◇ Scalloped

Leaf Venation:

- ◇ Pinnate ◇ Palmate
- ◇ Netted ◇ Parallel

Leaf Types:

- ◇ Compound palmate ◇ Simple
- ◇ Compound Pinnate

Life Cycle: When does your plant grow? Check a season & a term.

- ◇ Spring ◇ Winter
- ◇ Summer ◇ Fall
- ◇ Mid-term ◇ Late term