

## Conducting Investigation on the Specialized Structures of Plants given varying Environmental Conditions

Group Name: \_\_\_\_\_ Start Time: \_\_\_\_\_




Group Members: \_\_\_\_\_

Plant Type: \_\_\_\_\_ End Time: \_\_\_\_\_

Prediction or Hypothesis: \_\_\_\_\_

\_\_\_\_\_

**Results Recording Sheets**

Date / Timeline	Crayon-coated leaf	Colorless Leaf
Experiment		
	Observations:  Measurements:	Observations:  Measurements:
	Observations:  Measurements:	Observations:  Measurements:
	Observations:  Measurements:	Observations:  Measurements:

Study the results of the experiment and refer to the activity file for the guide questions to be answered and discussed in class.

## Desert Water Keepers DESERT LEAF MODELS



### Technique Card

#### MODEL LEAVES

##### MATERIALS FOR TWO SETS OF LEAVES (SIX LEAVES):

- 2 sheets of blotter paper\* †
- 1 pair of scissors\*
- 1 "Desert Leaf Patterns" card\*

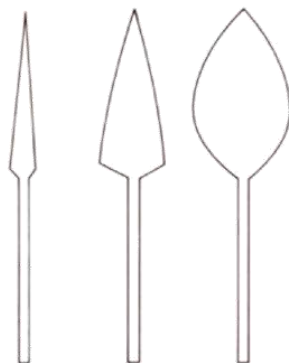
\*Available from Delta Education.

†The blotter paper supplied by Delta Education has the outlines of the leaves printed on it.

#### MAKING THE MODEL LEAVES

##### Instructions for the Leader:

1. Carefully cut out the leaf patterns on the "Desert Leaf Patterns" card to make a stencil.
2. Trace two of each leaf pattern onto the blotter paper (a total of six).
3. Cut out the paper leaves.



#### LEAF HOLDERS

##### MATERIALS FOR EACH TEAM:

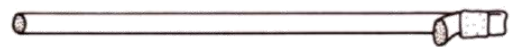
- 2 plastic drinking straws\* (Coffee stirrers must fit inside straws.)
- 1 ball of clay\*
- tape\*

\*Available from Delta Education.

#### MAKING AND FILLING THE LEAF HOLDERS

##### Instructions for the Youngsters:

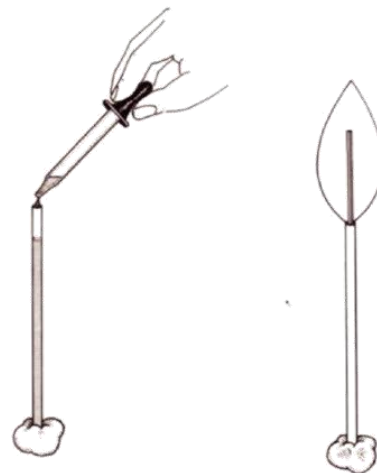
1. Crimp the drinking straw four centimeters from one end.
2. Squeeze the "V" parts together and tape tightly.



3. Place the taped end of the straw into the clay ball so that the straw stands upright.



4. With a medicine dropper, fill the holders to within a centimeter from the top.



OUTDOOR BIOLOGY INSTRUCTIONAL STRATEGIES

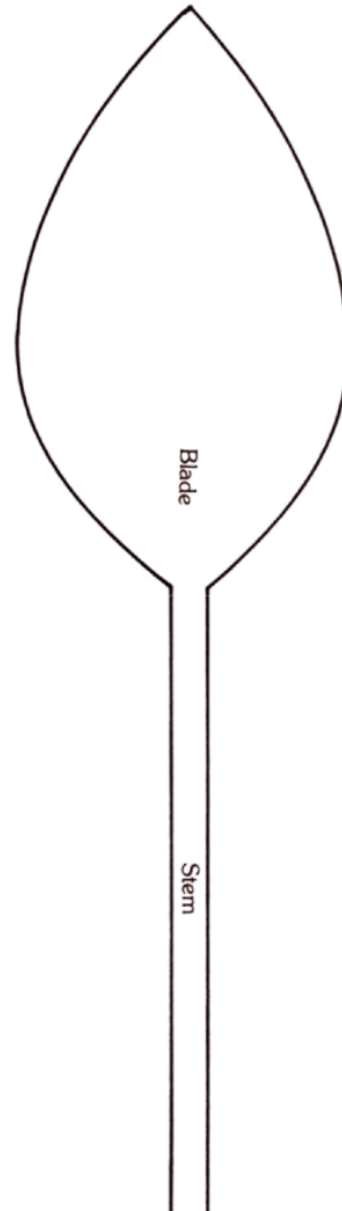
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***Desert Water Keepers***  
**DESERT LEAF PATTERNS**



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