

HOUSTON MUSEUM OF NATURAL SCIENCE

SCOUTS@HMNS

Soil and Water Conservation Prerequisites Workbook

Scout's Name: _____

Unit: _____

Prerequisite 5b

Demonstrate at least two of the following actions of water in relation to the soil: percolation, capillary action, precipitation, evaporation, transpiration.

Capillary action and transpiration activity

Materials:

Celery stalk with leaves – 1 (You can also use a new sprig of outside plant material. Make sure that you use material with non-waxy leaves)

Clear cups – 1

Food color – 1

Plastic wrap or clear baggie - 1

Rubber band – 1

Procedure:

1. Take one stalk of celery with leaves.
2. Loosely cover the top of the celery leaves with plastic wrap or baggie.
3. Rubber band the celery stem.
4. Place the stem in colored water.
5. Observe for the next few days.
6. Draw your results.
7. Choose and record which action of water.

e. Make a list of places in your neighborhood, camps, school ground, or park having erosion, sedimentation, or pollution problems. Describe how these could be corrected through individual or group action. This will be discussed in class.

Erosion, sedimentation, or pollution problems	How these could be corrected through individual or group action.