TEACHER MATERIALS - The Plant

CONCEPTS: Math, Science, and Technology
        -Standard 3.1- Living Environment
        -Standard 3. 6- Living Environment
    Career Development
        -Standard 3a.1- Basic Skills

OBJECTIVES: 1. The students will be able to label the parts of the plant.

        2. The students will be able to discuss the basic function of various parts of the plant--leaves, stem, roots, flower.

        3. The students will be able to identify the parts of the plant used by humans and a use for each plant part.

BACKGROUND: Plants and only plants use energy from the sun to make food. This process is known as photosynthesis. It is through this process that we obtain a constant supply of food and oxygen. Without plants, life (as we know it) could not exist.

        To understand how this occurs, it is crucial to have a basic understanding of the parts of the plants and their function. The intent of this lesson is to begin to develop that understanding.

ACTIVITIES: 1. Question the students (as to their exact knowledge) about plants. Have them describe a plant. Ask them what they believe roots do. Where do we get food? What do leaves do? What is the stem for?

        2. Make copies of the worksheet and a transparency to

project on the wall, or make an enlarged version of the flower for the bulletin board. As a class, label the parts of the plant on the following sheet from their collective knowledge.

3. Discuss what each part of the plant does and what plants do.

Leaves   -   Take in sunlight
Make food
Make shade
Take in and give off gases (perhaps using the word air makes it more understandable)
Store food

Stems   -   Support leaves
Carry water and minerals up from roots
Carry food down from leaves
Store food

Roots   -   Take in water and minerals
Hold the plant in place
Store food

Flowers   -   Produce seed to make new plants
Grow fruit to protect the seed
Store food

ADDITIONAL RESOURCES:

Some Cornell Cooperative Extension Offices have a program called "The Talking Plant." Your county contact will be able to provide this information.

Name _____

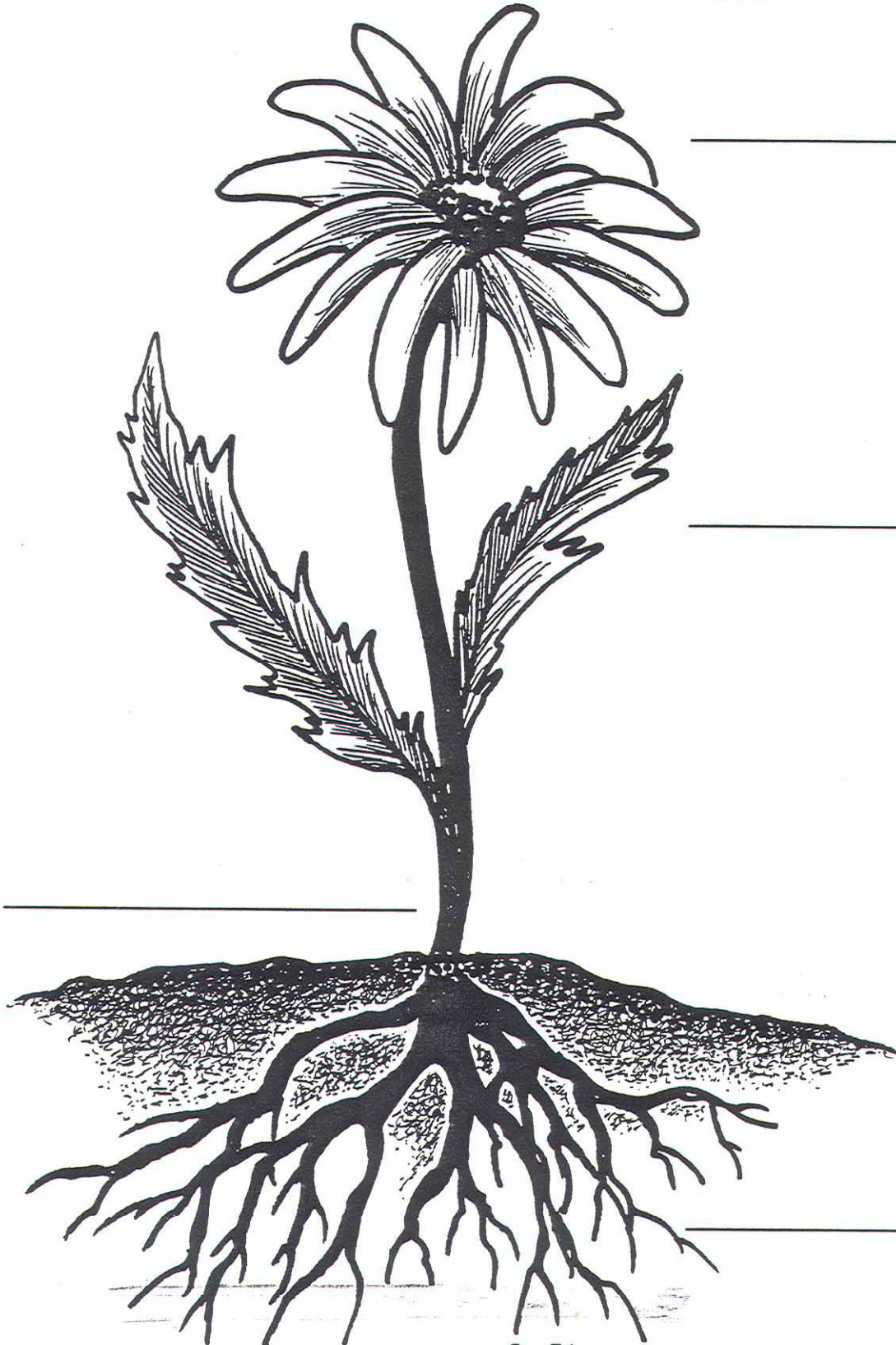Label the parts of the plant using these words:

Leaf   Stem   Roots   Flower

_____

_____

_____

_____

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Label the parts of the plant using these words:

Leaf   Stem   Roots   Flower

Flower

Leaf

Stem

Roots

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