

All About Arabidopsis Worksheet

Section 1. Using the words listed, label the parts of the plant below.

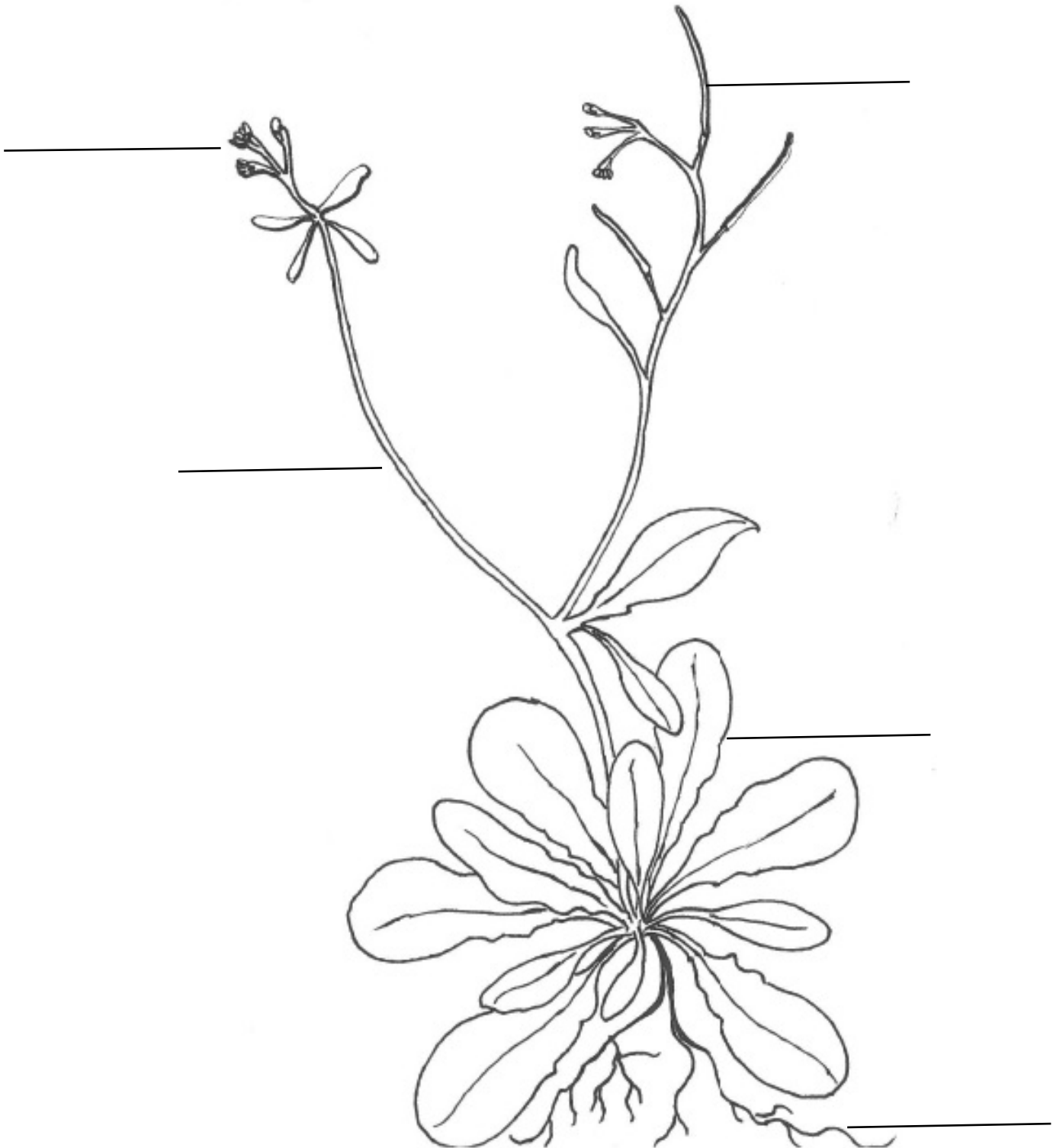
ROOT

STEM

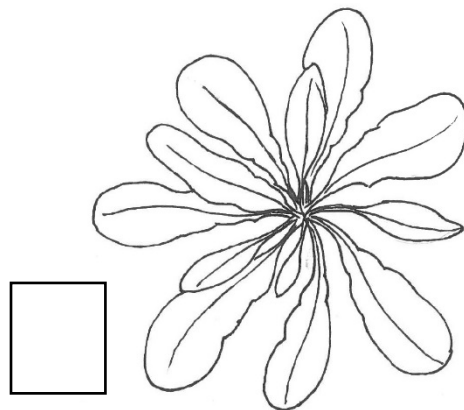
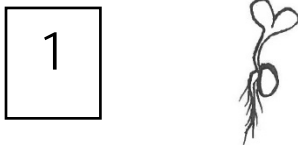
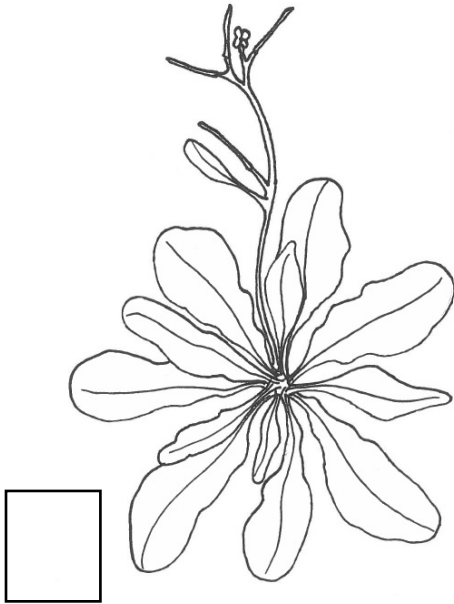
LEAF

FLOWER

SEEDPOD



Section 2. Look at the six different stages of the Arabidopsis lifecycle shown below. Put them in the correct order by placing a number (1-5) next to the correct drawing. Number 1 is done for you.



Section 3. Use the pictures below to search for the six different types of Arabidopsis plants. Check off each different type of plant you find. As a class, decide on a name for each different type of Arabidopsis based on what makes it different from the other plants.



Plant #1

Tall, upright plant

Leaves look and feel fuzzy

Seedpods are long and straight

Check this box when you find this plant

What did you name this plant? _____



Plant #2

Short, yellow-green plant

Leaves look and feel fuzzy

Check this box when you find this plant

What did you name this plant? _____



Plant #3

Leaves look and feel smooth

Check this box when you find this plant

What did you name this plant? _____



Plant #4

Seedpods are bent and shaped like a club

Leaves look and feel fuzzy

Check this box when you find this plant

What did you name this plant? _____



Plant #5

Stem is brighter green than on other plants

Stem doesn't look waxy

Leaves look and feel fuzzy

Check this box when you find this plant

What did you name this plant? _____



Plant #6

Stem is kinked

Seedpods are bent downward

Leaves look and feel fuzzy

Check this box when you find this plant

What did you name this plant? _____

Section 4. Think about how your class takes care of the plants you are growing. Draw the different things plants need to grow and be healthy below.