

Name _____

Period _____

Due date _____

Dichotomous Keys

Classification is the science of dividing organisms into groups and sub-groups based on how they are related. A tool called a dichotomous key is an organized list of characteristics that can be used to identify organisms. The identified organisms can then be placed into their correct classifications. In this lab activity, you will use dichotomous keys to identify various plants and animals.

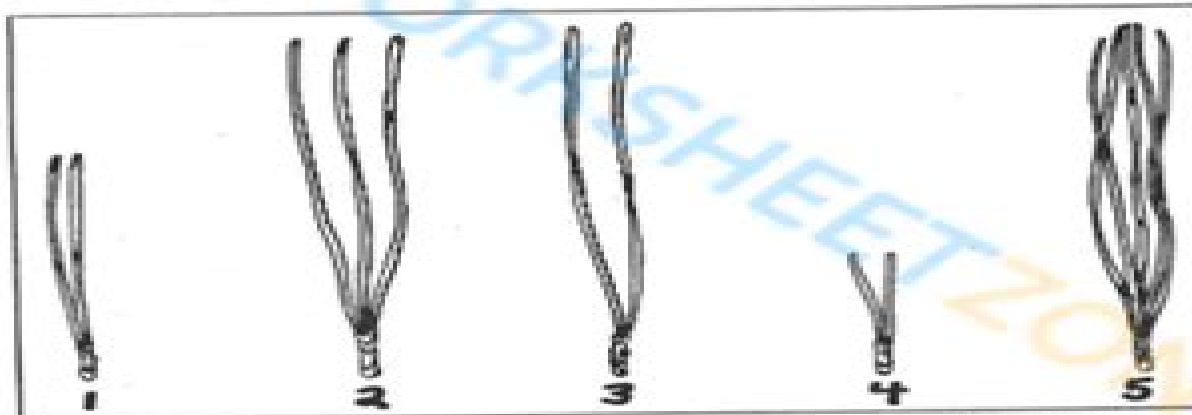
MATERIALS:

Metric ruler



PART I: PINE TREES

Use a metric ruler and the following dichotomous key to correctly identify 5 species of pine trees based on their needles. (Note: Measure from the base to the tip of each bundle.)



1. A. Needles come in groups of two Go to step 2
B. Needles come in groups larger than two Go to step 3
2. A. Needles are less than 3 cm. long Jack pine
B. Needles are longer than 3 cm. Go to step 4
3. A. Needles come in groups of three Pitch pine
B. Needles come in groups of five White pine
4. A. Needles are less than 5 cm. long Scotch pine
B. Needles are more than 5 cm. long Austrian pine

TREE IDENTIFICATION:

(1) _____
(2) _____
(3) _____

(4) _____
(5) _____

Middle School Dichotomous Key Activity

Jianjun Gao



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