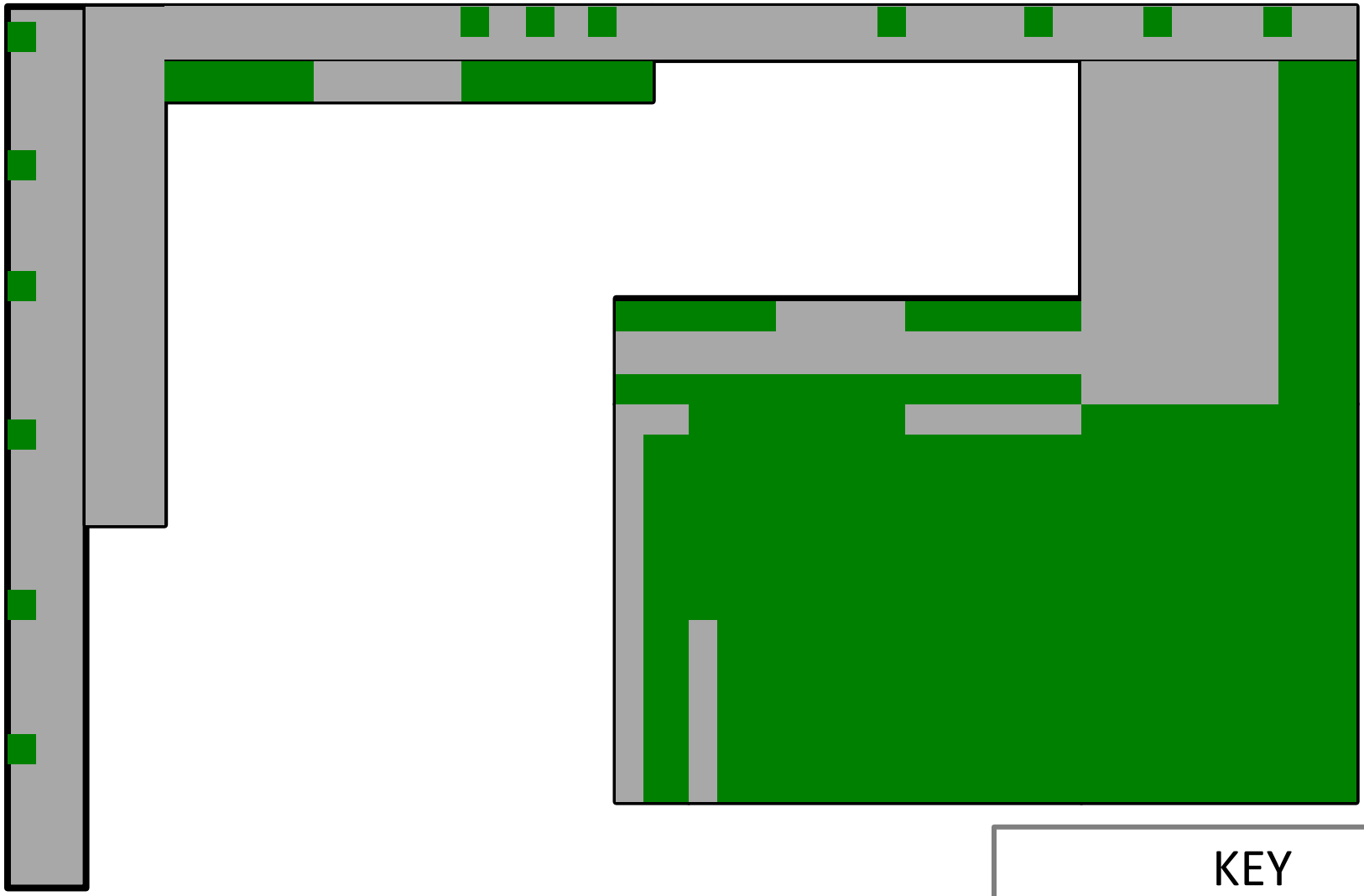
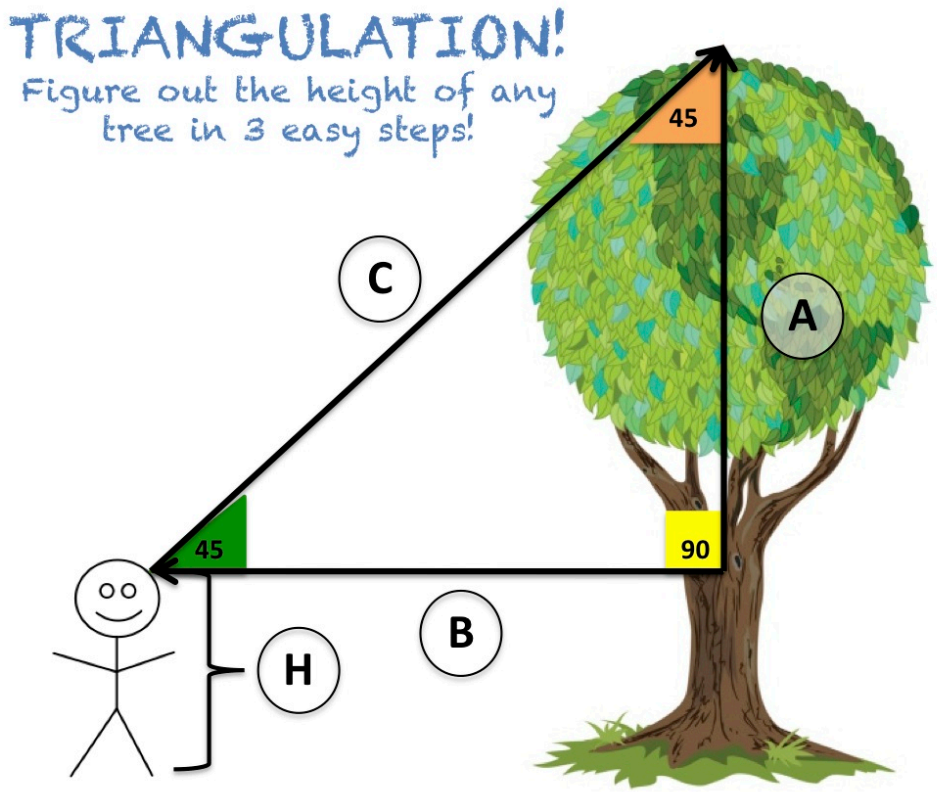
Name(s) _____

Step 1: Label the location of your tree



Step 2:



STEP 1:
Placing the triangle gauge on the tip of your nose, position yourself so that the site gauge just covers the top of the tree you're trying to measure (tip: Hey, watch where you're going!)

STEP 2:
Have a group member measure how far away from the tree's base you are

- This sets up an *isosceles* right triangle, with the angle measurements 45/45/90.
- In an isosceles right triangle, side A = side B.
- Therefore, the height (A) is equal to the distance you are away from the tree (B)

STEP 3:
BUT WAIT! Remember, the base of your triangle starts at the top of your head! So have a group member measure your height (H) and add this to the height of your triangle (A). *The height of the tree will be equal to* ***H+A***

Tree Height = B + H =

_____ _____

Answer

Urban Ecology: Tree Data Sheet

MEASUREMENTS:

Note: Do not forget to include UNITS of measurement (inches, feet, etc)

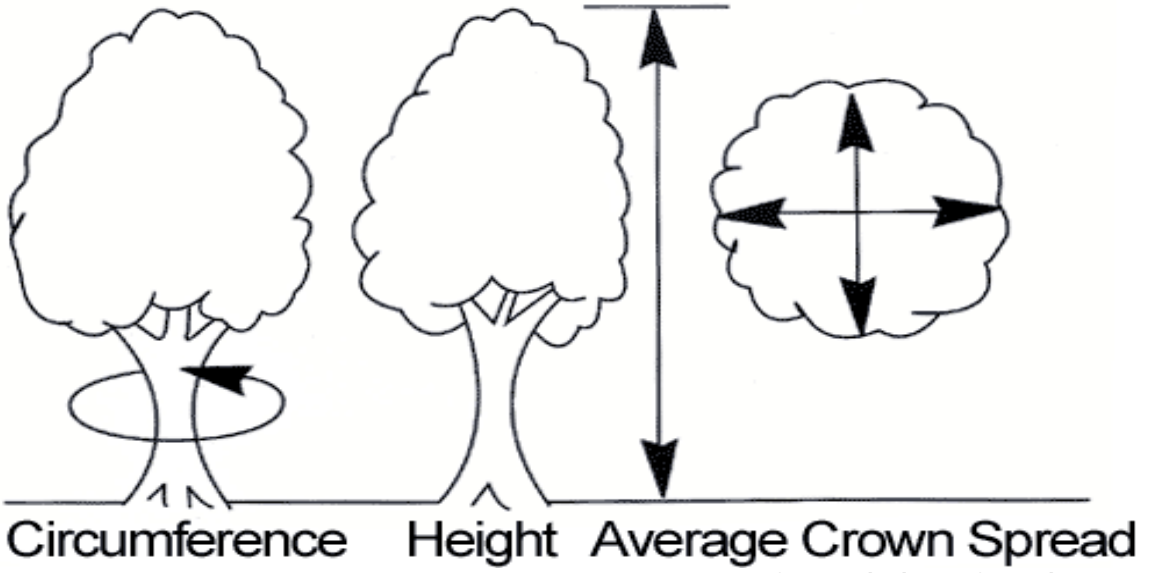


Image from Maryland Dept. of Natural Resources

(1) Tree Circumference: _____

(2) Tree Diameter (Diameter = Circumference/3.14): _____

(3) Average Tree Crown Spread: _____

(4) Tree Pit Perimeter: _____

(5) Number of Large Branches: _____

OBSERVATIONS:

Tree Condition				
Part of Tree	Excellent	Good	Poor	Bad
Leaves				
Bark				
Roots				
Notes About Tree:				

Urban Ecology: Tree Data Sheet

Tree Pit / Surrounding Conditions

Part of Tree Pit	Excellent	Good	Poor	Bad
Soil/Mulch				
Plantings				
Sidewalk around pit				

Notes About Tree Pit/Surrounding Conditions:

Sketch The Bark Pattern:

Sketch The Tree Leaf:

Questions:

(1) Identify your tree's Species based on your observations. Use the dichotomous key provided. _____

(2) Are there any man-made conflicts to the tree (wires, litter, electrical outlets, signs, etc.)? If so, describe. _____
_____
_____

(3) Do you see any evidence of animals in the tree or in the tree pit? If so, describe. _____
_____
_____

(4) Do you think this three is healthy? Why or Why Not? _____
_____
_____