NAME:_____ DATE:_____

PLANT NUTRIENTS

Draw a line from the PLANT NUTRIENT to the correct FUNCTION, then from the function to the correct DEFICIENCY DISORDER in the plant.

Carbon, Hydrogen and Oxygen are used during photosynthesis to make the soluble plant food G_____ which is stored as the insoluble white substance S_____ in the leaves. The test for this is iodine solution.

PLANT NUTRIENT	FUNCTION	DEFICIENCY DISORDER
Calcium	Used to make cell walls.	Yellowing between the veins of NEW leaves.
Iron	Used to make proteins.	Small yellow leaves and has poor growth.
Magnesium	Absorbed as nitrates and used to make proteins.	Poor growth and small reddish-brown leaves.
Nitrogen	Used to maintain the salt balance in cells. Helps in root growth.	Small young leaves which are thin and yellow between the veins.
Phosphorus	Used to make chlorophyll.	Poor and stunted growth; yellow leaves; new buds die before becoming flowers.
Potassium	Used to make chlorophyll.	Yellow/brown edges on the leaves; edges wither and plant dies young.
Sulphur	Used to make some proteins. Helps in root growth.	Yellowing between the veins of the leaves.