

Student worksheet

Color in the appropriate square for each soil sample and write each soil's letter under its correct cell.

pH	2	4	6	8	10	12
Soil sample						

Choose the appropriate soil for each crop. Not all cells will be filled.

	potatoes	cranberry	soybeans	blueberry	corn	peas	cucumber
Soil sample A							
Soil Sample B							
Soil Sample C							
Soil Sample D							
Soil Sample E							

Based on the data, which crops have the widest range of pH tolerance?

Interpretation:

If one of the vials turned blue-green, would the soil the water came from be acidic or basic? Explain your answer.

Will any of the crops from the Plant pH Preference Table be able to grow in a soil with this pH level? Why or why not?