

Use this handout as you go through the information on the website.

<https://www.parkwayschools.net/Page/5449>

Hormones

Auxins- How do Auxin hormones affect plants?

So what would happen to the shape of a plant if you snip off the tips?

Cytokinins- How do Cytokinin hormones affect plants?

What effect did the treatment have on the plant?

Ethylene- How does Ethylene hormone affect plants?

If you want to ripen a fruit faster (so it tastes sweeter) why is it suggested to put the fruit in a brown bag?

Gibberellins- How do Gibberellin hormones affect plants?

How do you think the researchers made these dwarfs?

Hormone Quiz

What was your score on the hormone quiz? _____ %

Tropisms vs. Nastic Movements

Tropisms can be: _____ - plant grows or bends *toward* stimulus
_____ - plant grows or bends *away* from stimulus

Tropism	Stimulus
phototropism	
thigmotropism	
gravitropism	
hydrotropism	
chemotropism	

How does a **nastic movement** differ from a tropism?

How did you score in applying these terms? _____ %

Ethnobotany

What is ethnobotany?

Flavoring:

What is an herb?

What is a spice?

Would any of these spices also be considered herbs?

Cinnamon (bark), garlic (bulb), and cayenne pepper (fruit)

Fragrances:

What is a scent that brings back a memory for you?

Gardening/Agriculture:

How can plants be used in gardening or agriculture?

Medicinal Plants:

What are some examples of plants used to make medications?

Ornamentals:

Give an example of a plant that fits the qualifications to use in a floral arrangement.

Plant Dyes:

Can you think of any plants that could potentially be used to make a fabric dye?

Plant Fibers:

Can you think of a plant that you could possibly use to make cordage (rope or twine)?

When paper is recycled new fibers need to be added to maintain good paper quality. Why?