

<b>CELL</b>	The basic unit of structure and function of all living things.
<b>NUCLEUS</b>	The organelle in plant and animal cells that controls the cell's activities (the "brain")
<b>CELL WALL</b>	The hard layer on the outside of plant cells that serves as support and protection.
<b>CELL MEMBRANE</b>	The thin covering that encloses plant and animal cells which holds the parts together.
<b>CYTOPLASM</b>	A jelly-like substance in plant and animal cells that contains chemicals which keeps the cells working.
<b>CHLOROPLASTS</b>	Organelles (containing chlorophyll) in plant cells that create food for the plant cell.
<b>VACUOLES</b>	Organelles in plant and animal cells that store food, water, or waste materials.
<b>KINGDOM</b>	The largest group into which living things can be classified.
<b>VERTEBRATE</b>	Animals with backbones.
<b>INVERTEBRATE</b>	Animals without backbones.
<b>VASCULAR PLANT</b>	Plants with special tissues/tubes that carry food and water within the plant.
<b>NONVASCULAR PLANT</b>	Plants that do not have special tissues/tubes to carry food and water within the plant.

<b>What are the smallest/most specific ways to classify living things?</b>	<b>Genus and species</b>
<b>What are examples of vertebrates?</b>	<b>Any mammals, fish, birds, reptiles, or amphibians. (bear, shark, lizard, frog, hawk)</b>
<b>What are examples of invertebrates?</b>	<b>Insects, spiders, crabs, scorpions, squid, clams, worms.</b>
<b>What are examples of vascular plants?</b>	<b>Ferns, trees, and plants with flowers or cones.</b>
<b>What are examples of nonvascular plants?</b>	<b>Moss and liverworts.</b>
<b>What are differences between vascular and nonvascular plants?</b>	<b>Vascular plants have special tissues for transporting water and nutrients and nonvascular plants do not. Vascular plants have roots/stems/leaves. Nonvascular plants live in damp places and are short.</b>

**\*\*\*\*YOU SHOULD ALSO BE FAMILIAR WITH YOUR VOCABULARY FLASHCARDS AND THE CHART BELOW.**

<b>Kingdom</b>	<b>Characteristics</b>	<b>Example</b>
<b>Animal</b>	<b>Many cells, eat other things</b>	<b>monkey</b>
<b>Plant</b>	<b>Many cells, make own food</b>	<b>flower</b>
<b>Fungi</b>	<b>Most many celled, absorb food from living or dead things</b>	<b>mushroom</b>
<b>Protist</b>	<b>Most one celled, make own food or feed on other things</b>	<b>algae</b>
<b>Moneran</b>	<b>One celled, no nucleus</b>	<b>bacteria</b>