**Key Terms for Taxonomy Project**

**Transport** – How do food and water move inside an organism?

* Nonvascular (just move water/food from cell to cell) vs. Vascular (have tubes to move food/water, need tubes in bigger organisms)

**Excretion** – Getting rid of nitrogen waste (ex. humans get rid of waste as urine)

**Cell Energy** – Organisms make energy in different ways

* Photosynthesis – plants/algae make sugar from sun energy
* Cellular Respiration – all living things make energy from sugar
* Chemosynthesis – some bacteria make energy from chemicals

**Nutrition** – How does the organism get its food (sugar)?

* Autotrophs vs. Heterotrophs (you already know this!!!)

**Reproduction –** How do organisms make new organisms?

* Asexual – one parent (such as when a potato sprouts a new plant or when one bacterium splits into two new bacteria)
* Sexual – two parents (female egg and male sperm)
	+ Fertilization – only occurs in sexual reproduction (sperm fertilizes the egg)
	+ Spore – only in some plants (mosses/ferns)
	+ Seed – only in some plants (gymnosperms/angiosperms)

**Growth and Development** – some organisms born looking like tiny adults, some organisms go through metamorphosis (egg→larva→pupa→adult)

**Respond to Stimuli** –

* Stimuli – any change in environment (chemicals, sunlight, touch, smell, temperature, hormone, etc.)
* Chemical signals – can be sent inside an organism to change things inside the organism (such as when a woman has a baby and her body starts to make a chemical to make milk) or between organisms (females release chemicals to attract males)