

Life Processes Notes

- Digestion**—process of breaking down of food into a smaller usable form.
Ex) Chewing + digestive system
- Ingestion**—process of taking food or drink in.
Ex) taking a bite of something, drinking, amoeba surround its prey
- Respiration**—process of breaking down food (glucose) using the chemical oxygen to release energy (mechanical). Breathing is inhalation/exhalation that involves respiration.
Ex) taking a breath, occurs in mitochondria
- Regulation**—an attempt to make cell/organism "normal" by responding to stimuli within environment, organism, cell or surroundings.
Ex) crying, yawning, screaming, burping, sleeping, vomiting
- Reproduction**—process to make more of a cell or organism. Can be asexual (budding, mitosis, regeneration) or sexual (male and female sex cells must fuse)
Ex) cut healing, babies, buds on trees, growing
- Transport**—the process of moving materials in, out and around cell or organism.
Ex) osmosis, diffusion, circulatory system, exocytosis, endocytosis
- Excretion**—process of removing waste from the cell or organism.
Ex) urination, pooping, exocytosis, vomiting, lymph system, kidneys, passing gas, lysosomes

Life Processes:

Draw/find a picture that demonstrates the life processes below. At least one has to be at the cellular level. Be sure to add color and do your best work.

<p>Digestion</p>	<p>Ingestion</p>
<p>Cellular Respiration</p>	<p>Regulation</p>
<p>Reproduction</p>	<p>Transport</p>
<p>Excretion</p>	<p>*Photosynthesis</p>

Life Processes happen at the **cellular** level—each cell performs all of them and has a cell part responsible for doing each.
 • They also happen at the **organism** level—each multi-cellular organism will perform all the life processes and has one or two organ systems responsible for each.
 *Photosynthesis does not happen in all living things...only plants and producers.