

Characteristics of Life Objectives

Define these key terms:

nutrition nutrient ingestion egestion digestion autotroph heterotroph
decomposer transport photosynthesis light energy chemical energy chloroplast
mitochondria cellular respiration synthesis growth excretion regulation
reproduction metabolism homeostasis stimuli response unicellular multicellular
asexual reproduction sexual reproduction

- Analyze the level of organization to determine their relatedness.
- Describe some characteristics of living organisms.
- Name and define the 8 life processes of organisms.
- Explain the difference between breathing and respiration.
- Write the equation for photosynthesis.
- State the chemical energy from the photosynthesis equation.
- Write the equation for cellular respiration.
- Compare & contrast between aerobic and anaerobic respiration.
- Define metabolism.
- Define homeostasis and provide an example.
- State the 3 characteristics that viruses not possess.
- Identify the representative organisms in biology. These are the ameba, hydra, bread mold, mushroom, yeast (fungus), bacteria, & virus.