

Life Processes

- Nutrition involves those activities by which organisms
 - remove cellular waste products
 - obtain and process materials needed for other activities
 - exchange gases with their environment
 - absorb and circulate materials
- Which process includes the other three?
 - synthesis
 - metabolism
 - excretion
 - nutrition
- Which life function is most directly involved in the control of the muscles of an earthworm that is moving from dry to moist soil?
 - regulation
 - transport
 - nutrition
 - excretion
- Which life activity is *not* required for the survival of an individual organism?
 - nutrition
 - respiration
 - reproduction
 - synthesis
- Which statement best describes cellular respiration?
 - It occurs in animal cells but not in plant cells.
 - It converts energy in food into a more usable form.
 - It uses carbon dioxide and produces oxygen.
 - It stores energy in food molecules.
- Which activity is a function of all living cells?
 - synthesis
 - locomotion
 - anaerobic respiration
 - extracellular digestion
- Enzyme molecules are produced by the life function known as
 - egestion
 - respiration
 - growth
 - synthesis
- When the human body is responding to stress, the hormone adrenaline is released. A short time later, the body returns to normal. This is an example of how a human
 - reacts to an antibody
 - develops genetic variation in body cells
 - maintains cellular organization
 - maintains dynamic equilibrium
- In humans, the maintenance of a stable internal temperature is a direct result of
 - detection of and reaction to stimuli in the environment
 - digestion of starches and absorption of protein from the internal environment
 - diffusion of water and excretion of glucose to the external environment
 - transport of ATP and locomotion through the environment
- The process that removes metabolic waste products from an organism is known as
 - egestion
 - secretion
 - excretion
 - oxidation
- The life function responsible for the coordination and control of all life activities in an organism is known as
 - regulation
 - reproduction
 - excretion
 - nutrition
- Which life process is indicated by the arrows in the diagram of an amoeba shown below?



- digestion
- excretion
- fermentation
- transport