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- The life function of transport in an organism directly involves those activities used to
 - absorb and distribute materials
 - obtain and hydrolyze materials
 - release energy from food
 - produce cellular waste products
 - Nutrition involves those activities by which organisms
 - obtain and process materials needed for other activities
 - exchange gases with their environment
 - absorb and circulate materials
 - remove cellular waste products
 - Which life function is primarily involved in the conversion of the energy stored in organic molecules to a form directly usable by a cell?
 - circulation
 - respiration
 - digestion
 - absorption
 - Which process includes the other three?
 - synthesis
 - metabolism
 - excretion
 - nutrition
 - Organisms combine simple molecules to form complex molecules by the process of
 - hydrolysis
 - synthesis
 - ingestion
 - regulation
 - Which statement best describes an activity that will contribute to the maintenance of homeostasis in an organism?
 - A desert rattlesnake enters an underground burrow on a hot summer day.
 - A shark swims toward a highly polluted region of the ocean.
 - Roots of a willow tree grow away from a moisture-rich region of the soil.
 - A polar bear sheds most of its fur during the coldest months of the winter.
 - The removal of carbon dioxide and nitrogenous wastes from an organism illustrates the life function known as
 - regulation
 - excretion
 - nutrition
 - respiration
 - Which life function is most directly involved in the control of the muscles of an earthworm that is moving from dry to moist soil?
 - nutrition
 - regulation
 - transport
 - excretion
 - Which life activity is *not* required for the survival of an individual organism
 - reproduction
 - synthesis
 - respiration
 - nutrition
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