

**METABOLISM** :: The sum of all biochemical reactions going on within a living organism is called metabolism "OR" The set of biochemical reactions that occur in living organisms in order to maintain life is called metabolism, the term metabolism is derived from greek word meaning "change" the concept of metabolism was at all given by Ibn-e-Natees who stated that "the body and its parts always undergoing change, there are two types of metabolism. catabolism and anabolism.

①: **Catabolism** :: The process in which large molecules are broken down into simpler molecules by releasing of energy is called catabolism.

**Examples**: RESPIRATION

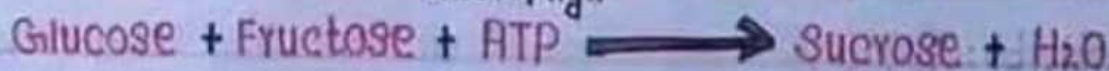


②: **Anabolism** :: The process in which small molecules combine to form large molecules by utilizing of energy is called anabolism.

**Examples**: PHOTOSYNTHESIS

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The characteristics of all living thing such as breathing, reproduction growth and response to stimuli are the outcome of biochemical reactions taking place inside the body of a living organisms.