

ENERGY PROCESSES

1. Photosynthesis

WHO: organisms with chlorophyll (like plants, algae, etc.)

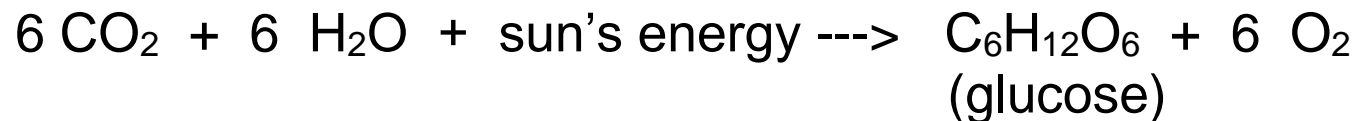
WHAT: harness light energy and make food

WHEN: daylight

WHERE: in chloroplasts (leaves, stems, etc.)

WHY: to gather energy from the sun to live, grow, reproduce, etc. (makes FOOD)

HOW:



2. Respiration

WHO: all living things (plants, animals, etc.)

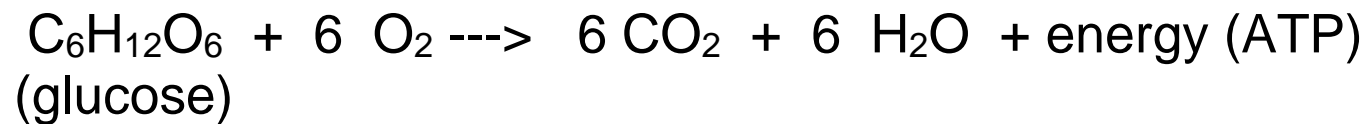
WHAT: breaking down food to release stored energy

WHEN: anytime energy is needed

WHERE: cytoplasm and mitochondria

WHY: to release energy from food to live, grow, reproduce, etc.

HOW:



3. Fermentation

WHO: all living things (plants, animals, etc.)

WHAT: breaking down food to release stored energy

WHEN: anytime energy is needed **but** oxygen isn't available

WHERE: cytoplasm

WHY: to release energy from food to live, grow, reproduce, etc.

HOW:

