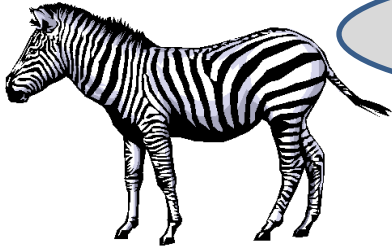
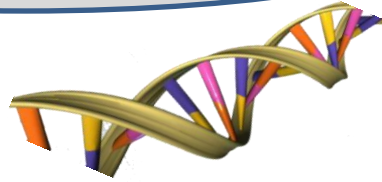
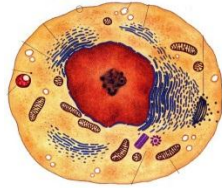


REVIEW: Life Functions



Biology: *the study of LIFE*



Life Functions: *Activities NECESSARY for LIFE*



Nutrition

Process by which living things OBTAIN and USE food



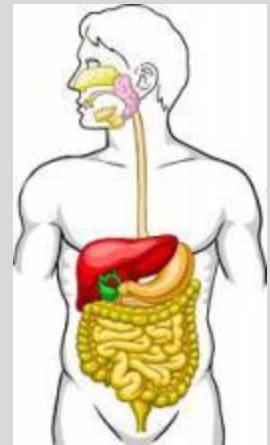
Ingestion

TAKING IN food from the environment



Digestion

Breakdown of COMPLEX molecules into USABLE molecules



Egestion

Removal of UNDIGESTED material

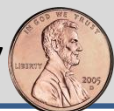
NOT the same as EXCRETION!

Remember.....

corn



The penny



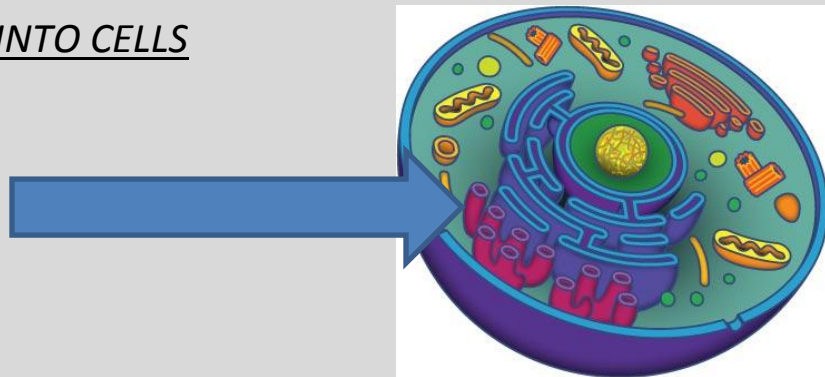
Transport

INTAKE & DISTRIBUTION of materials




Absorption

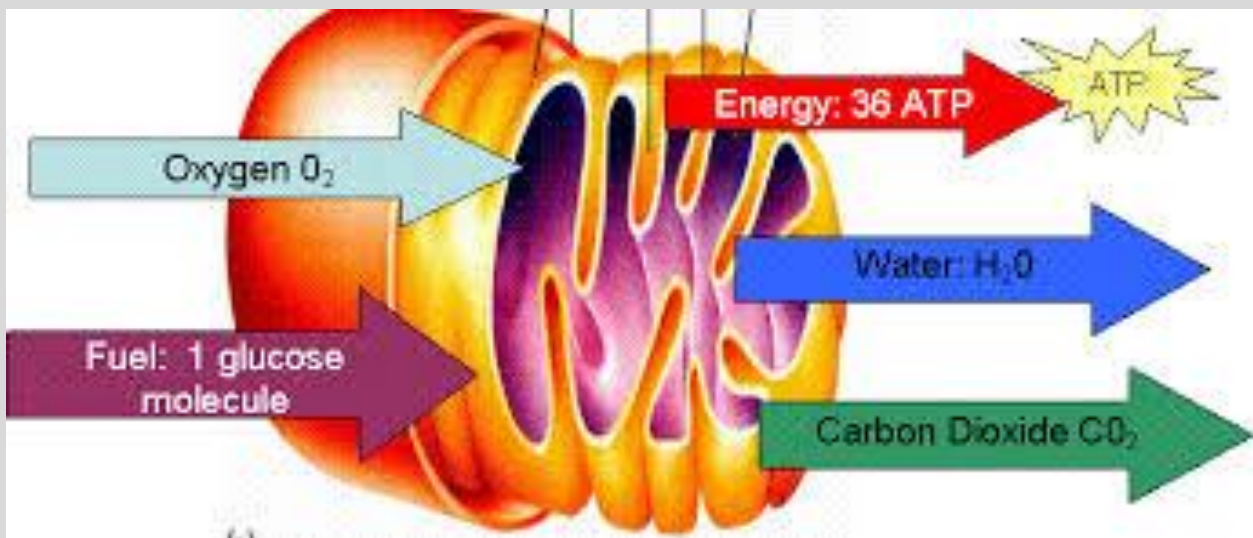
Substances TAKEN INTO CELLS



Respiration

RELEASES energy from food

Energy in food  **usable energy (ATP)**



Excretion

REMOVAL of waste

Synthesis

BUILDING complex molecules from small molecules

Growth



increase in size



Reproduction

- Produce *NEW organisms*
- *Not necessary* for survival



Regulation

Control and coordination of life activities

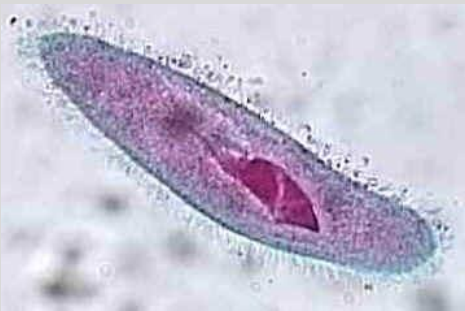
Feedback Mechanism

Allows organisms to MAINTAIN HOMEOSTASIS

Remember: the pancreas and regulating blood sugar

Unicellular Organisms

Organelles work to maintain
HOMEOSTASIS



Multicellular Organisms

Organ Systems work to
maintain HOMEOSTASIS

