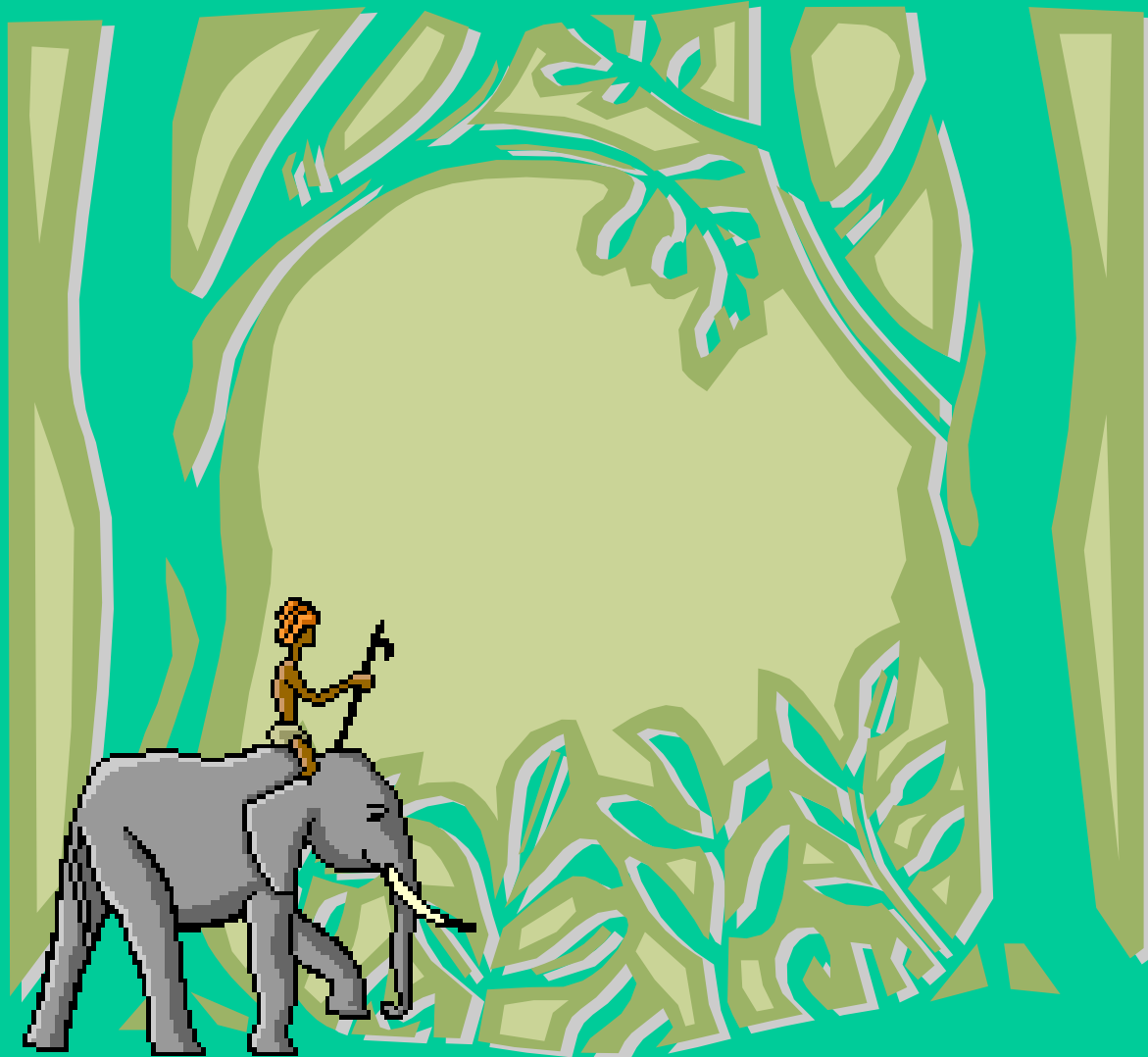


Warm Up

- What are the 7 life processes?

Life Functions



In order to maintain life, living things need to exhibit...

1. Metabolism

- All of the chemical reactions that occur in the cells.
 - Examples: digestion, respiration, photosynthesis, making vitamins, nutrients, proteins

2. Respiration

- Using **oxygen** to get **energy** out of **food**.
 - Humans obtain oxygen by breathing
 - Fish obtain oxygen from water
 - Plants get oxygen out of the air

Food + Oxygen = Energy

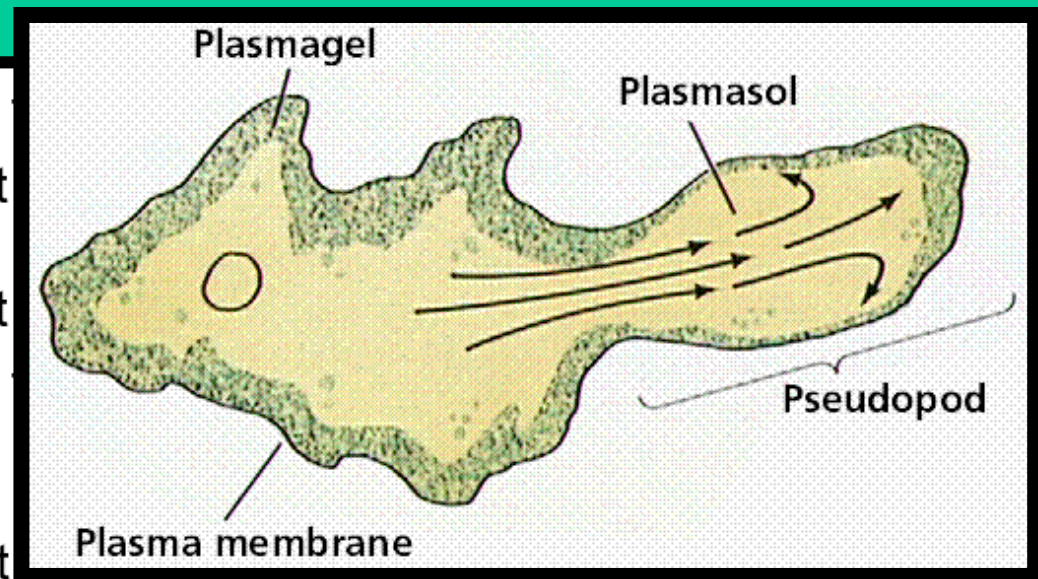
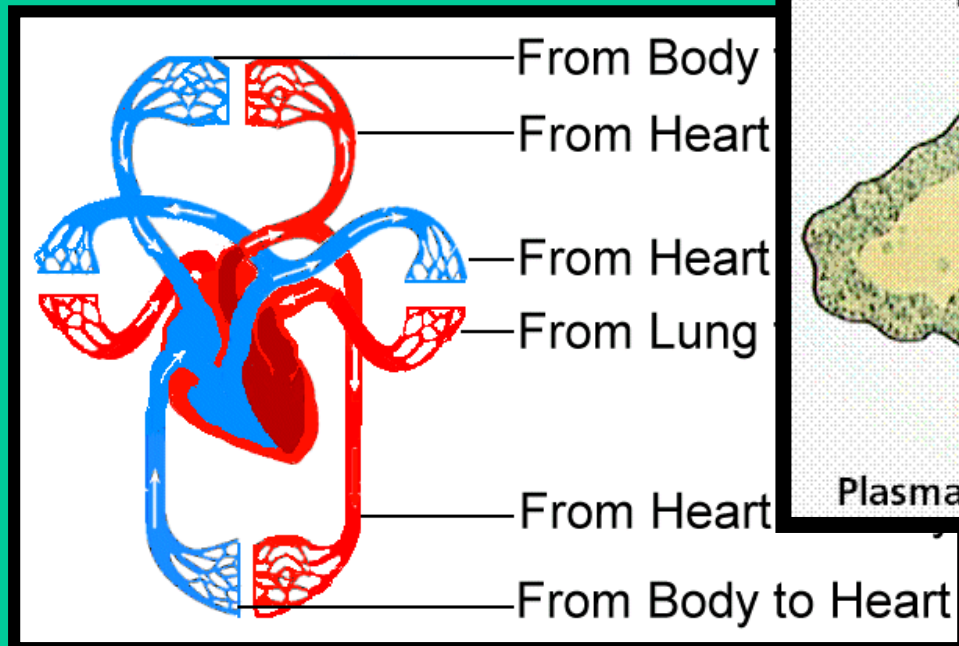
3. Synthesis

- The cell can put molecules together (build things).



4. Transport

- Moving materials in, out, and around the cell or body.



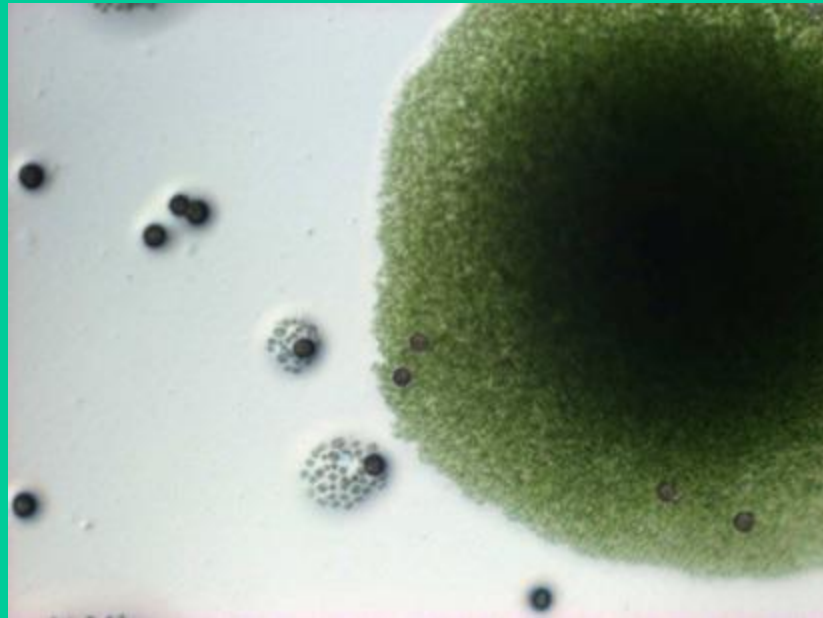
5. Regulation

- Maintaining a constant internal environment
 - Body temperature, water level



6. Assimilation

- Incorporating new materials into the body or cell

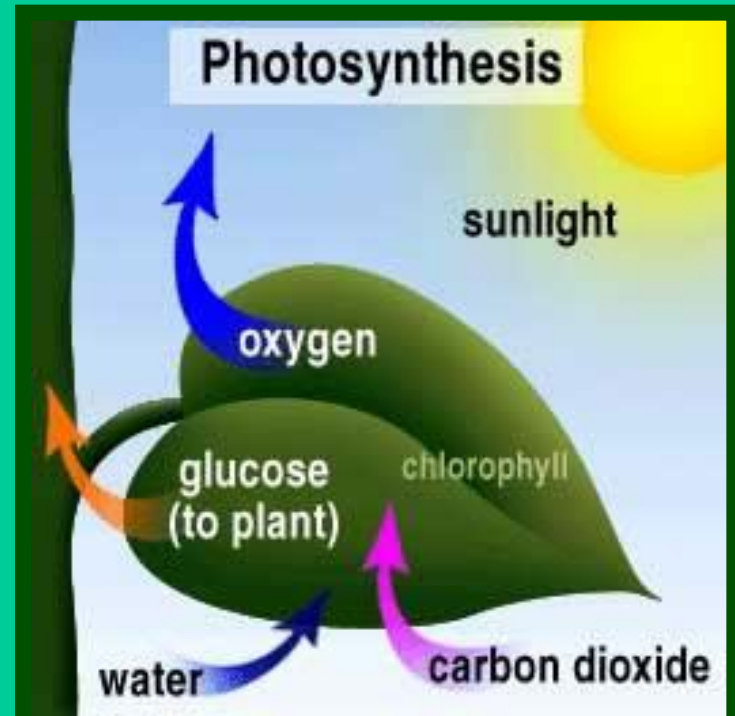
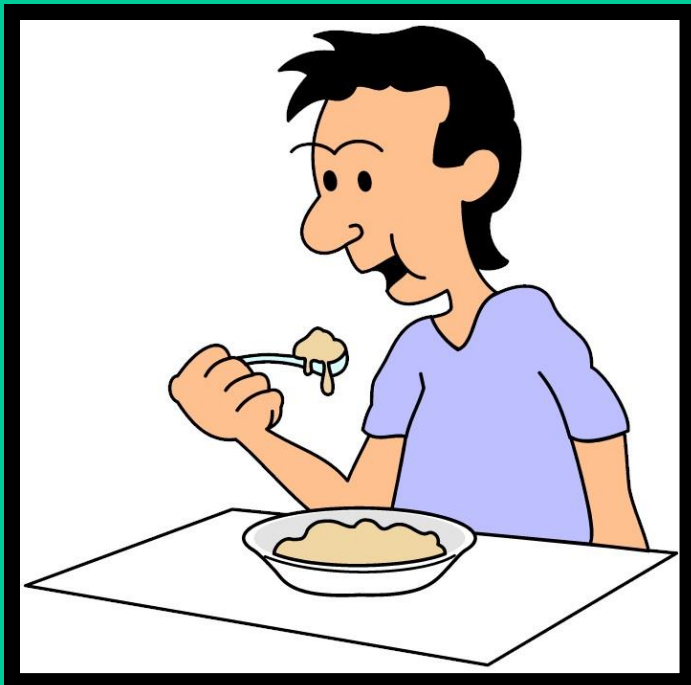


7. Nutrition

- Eating or making your own food

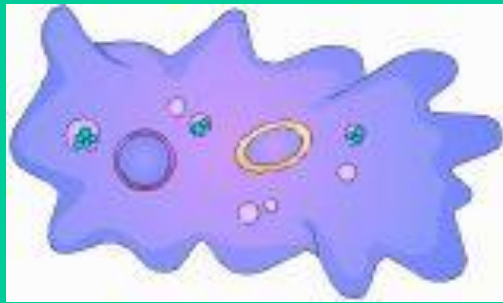
- Heterotroph

Autotroph



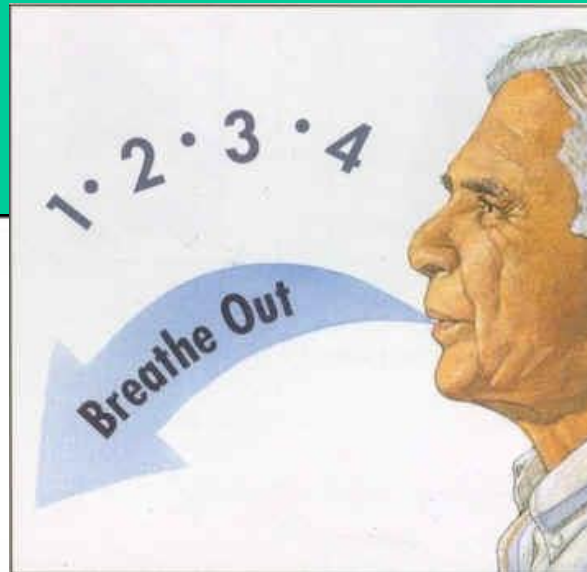
8. Growth

- Getting larger



9. Excretion

- Getting rid of wastes

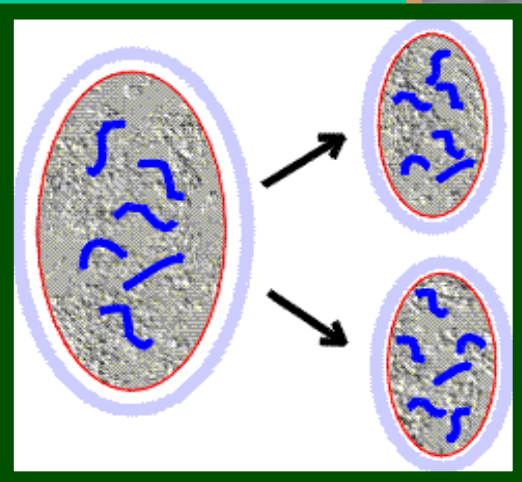


10. Reproduction

- Making more of you



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Use the first letter from each process to help you remember them.

Metabolism

Respiration

Synthesis

Transport

Regulation

Assimilation

Nutrition

Growth

Excretion

Reproduction

They spell MR. STRANGER