

Warm-up: Write the questions and answers in your notebook (after CARSMOG from yesterday)

1. Gills on a fish is an example of what characteristic of life?
2. Kidneys are part of the excretory system in the body, this is an example what characteristic of life?
3. Humans break down glucose (sugar) to form ATP for energy, this is an example of what characteristic of life?

Warm-up: **Answers**

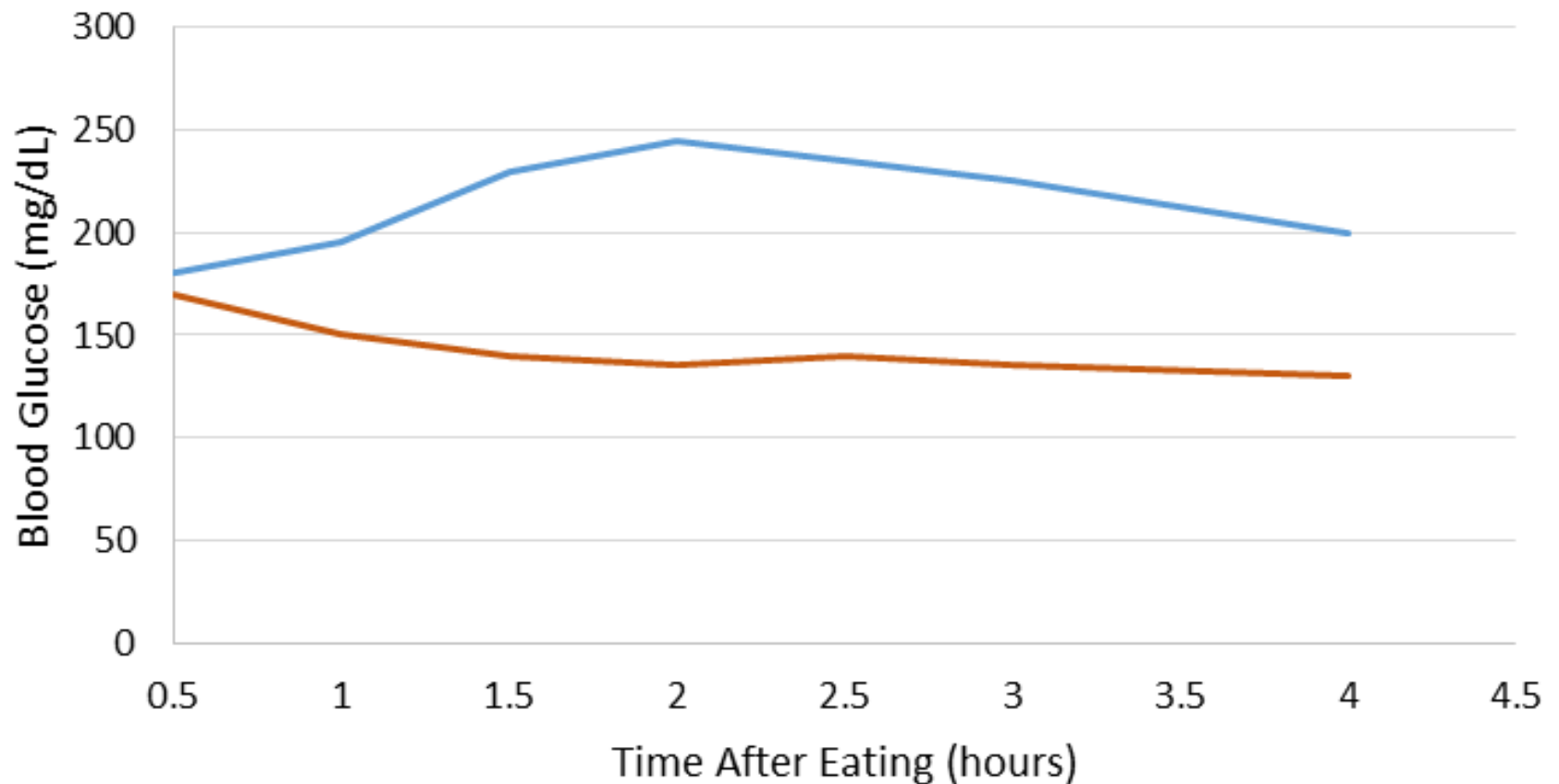
1. Gills on a fish is an example of what characteristic of life? **Adaptation**
2. Kidneys are part of the excretory system in the body, this is an example what characteristic of life? **Organization**
3. Humans break down glucose (sugar) to form ATP for energy, this is an example of what characteristic of life? **Metabolism**

Exit Ticket: **Answers**

1. Blood glucose level
2. Time after eating
3. Blood Glucose Levels After Eating in a Diabetic vs. Non-Diabetic person
4. B
5. extended period of time over 140
6. 150-160

Exit Ticket Graph

Blood Glucose Levels After Eating



Life Processes (8)

- Living organisms share 8 essential life processes
- Referred to as STERNGRR

S = Synthesis

- organisms **build body structures**
 - E.g. hair and nails

T = Transport

- organisms **move things within their body**
 - E.g. Circulatory system (blood gets pumped around the body)

E = Excretion

- organisms **get rid of** solid, liquid and gas **waste**
 - E.g. release of sweat from the sweat glands

R = Respiration

- Gas exchange and production of energy (ATP)
 - E.g. breaking down carbs to get energy in the form of ATP, often using oxygen

N = Nutrition

- organisms gain or use energy from food
 - E.g. make their own food or consume it

G = Growth

- organisms get bigger and change in a variety of ways
 - E.g. Going from a child to an adult

R = Reproduction

- organisms make offspring, either asexually or sexually
 - E.g. asexual reproduction – Bacteria
 - E.g. sexual reproduction - humans

R = Regulation

- organisms **control** internal processes
 - E.g. An iguana controls their body temperature by their environment (will lay in the sun on a rock to warm up their body temp)

Next Step...Station Rotation

- Fact Files worksheet- with a partner
 - Must choose 2 organisms
 - Apply STERNGRR to each
- Pick 1 of the 2 organisms to make a poster out of – Handmade OR use Google Drawings
 - Must include
 - Organism name
 - Picture/drawing of organism
 - STERNGRR processes specific to that organism