**Cell Respiration**

Location of each reaction in cellular respiration

ATP totals

What happens when the cell runs out of glucose

Reactants, products, and objectives of all steps in cellular respiration

Anaerobic respiration

Glycolysis is the first step in both aerobic and anaerobic respiration

Why are muscles sore the next day?

**Immune System**

Rheumatoid arthritis

B cells and T cells- function and where they are made

How a vaccine works

CAR T cells

Steps of inflammatory response

HIV

Phagocytic cells

Types of immune response

Humoral vs. Cell Mediated response- players and location

Primary vs. secondary response

Inflammation is associate with both types of immunity

Passive vs. active immunity

Memory cell

Action of antibodies

**Nervous System**

Types of neurotransmitters and function of specific ones

Parts of a neuron and function of those parts

Function of sodium potassium pump

Types of neurons and function

Effect of the toxins covered on the body

Steps of an action potential

Function mechanism of drugs

Action potential is all or nothing

Parts of neuromuscular junction- how impulse is spread from neuron to muscle

Know which parts of a message is electrical and which is chemical

Polarization, depolarization, repolarization