Body Review:

1. Homeostasis: What is it and how does the skin play a role in regulating it?
2. **Form and Function**: Relate the location of the heart, relative to the lungs to their function:
3. How does the signal get passed from your hand touching something hot to your brain?
4. What is the main purpose of our skeletal system?
5. How do muscles contract?

Immune System:

1. Why get vaccinated against the flu?
2. **Which comes first, specific or non-specific defenses:**

**b) WHY?**

1. What does the B cell **use to “see**” the pathogen?

b) How does the B Cell **“see”** the pathogen?

Intro to Genetics

1. When DNA splits open, why does it split along the middle (between the bases) and not along the sides?

1. Organize these structures from small to large: *(you can just put the numbers in order)*

1)Base, 2) chromosome, 3) nucleotide, 4) double helix

1. What is the **structure** and **purpose** of a chromosome?
2. What is a mutation in a DNA sequence?
3. Are mutations a good thing?