Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_

**Agents of Disease Unit Survey:**

*This survey will gauge what you do and don’t know about the upcoming Unit. If you don’t know much about the following information, don’t worry, that’s what you’re going to be learning about. If you know all of it already, this will give me a chance to design different lessons so you’re not bored out of your mind for the next few weeks. Either way, do the best you can. Thank you.*

\_\_\_\_\_ 1) What is ***Microbiology***?

(A) The science of microchips and technology (B) A Basic science that explores hydrothermal vents

(C) Science that explores microscopic organisms (D) Science that examines how microscopes work

\_\_\_\_\_ 2) Microbes with the ability to infect the human body and interfere with normal body functions include:

(A) Bacteria and Proteins (B) Nucleotides and Parasites

(C) Viruses (D) Bacteria, Viruses, Parasites, and Fungi

\_\_\_\_\_ 3) What are ***Viruses?***

(A) Living Organisms that reproduce sexually (B) Non-Living particles made of DNA/RNA and protein

(C) Organisms that can reproduce without a host cell (D) Deadly in all cases in both humans and animals

\_\_\_\_\_ 4) What are used to control and prevent the spread of ***viral*** disease?

(A) Antibiotics (B) Chemotherapy

(C) Steroids (D) Vaccines

\_\_\_\_\_ 5) Bacteria are ***prokaryotic, single-celled*** organisms, meaning they:

(A) Have no Nucleus or Mitochondria (B) Need a host cell to reproduce

(C) Reproduce through Binary Fusion (D) Can only live in temperate environments

\_\_\_\_\_ 6) Bacteria reproduce by ***Binary Fission***, which allows the following:

(A) To reproduce both asexually and sexually (B) To reproduce very slowly through Meiosis

(C) To reproduce asexually extremely rapidly (D) To be forever alone

\_\_\_\_\_ 7) What are ***Fungi***?

(A) Photosynthetic prokaryotes (B) Single-Celled autotrophs

(C) Non-photosynthetic, eukaryotes (D) Just Mushrooms

\_\_\_\_\_ 8) What is a ***Parasite***?

(A) An organism that provides energy and a food source to a host (B) Provides no harm or benefit to host

(C) An organism that feeds on another individuals, called the host (D) Philosophically? Hard to define…

\_\_\_\_\_ 9) What’s the difference between an ***Epidemic*** and a ***Pandemic*?**

(A) People only die in Epidemics (B) Pandemics are small-scale outbreaks of disease

(C) Epidemics are when a disease spreads globally (D) Pandemics are more widespread and infectious

\_\_\_\_\_ 10) Disease outbreaks can spread more rapidly today due to which of the following:

(A) Public Transportation (B) Global air travel

(C) Densely populated cities (D) All of these contribute to rapid infection rates

**Written Response:**

**The “Flu” is caused by a virus, but can this virus ever really be deadly? Could it ever kill millions of people? Explain.**