Sci 8 **Immune System Comic Strip** 25pts Name:

You have applied to become an illustrator for Marvel Comics. You have made the first cut of 50 people. To decide who is the best story teller, Marvel has tasked the top 50 finalists with creating a comic strip illustrating how the immune system works, by clearly demonstrating**what happens when a pathogen enters the body and how the body’s immune system responds**. Elements they are looking for are the route of infection; the symptoms; how the body fights off the pathogen; and what the end result is. Good luck. May the best (wo)man win. To make it to the next round Marvel will be judging your comic strip on how well you portray the following:

1. **Introduction:**Name and type of pathogen(virus/bacteria/yeast, etc) (1pt) and name of condition/disease. You may make up your own disease. (1 pt)
2. **Infection:**Illustrate the infection using one of the four ways germs are spread (direct contact: body fluids, etc/indirect/vector/ingestion). Clearly demonstrate how your pathogen gets inside the body (eyes, nose, mouth, wound). (1 pt)
3. **1st Line of Defence:** Illustrate which part of the body's First line of defence that normally defends us but was breached. (1 pt).
4. **Immune Response**: Label the body’s 2nd and/or 3rdline of defense and **describe how it works** (how are cells activated? What does each cell do?) - must include: Phagocytes, T helper cells, B cells, Antibodies, Memory Cells, plasma cells, (you will need to use more than one panel to demonstrate this). (10 points).
5. **Symptoms:**(fever, runny nose, pox, bleeding, nausea). (1 pt)
6. **Outcome:**Who wins? (survival but susceptible to future infections?/lasting immunity/dormant virus/death). (1 pt)
7. It must be clear what is happening in each panel. You may use speech bubbles or captions below. Good use of Colour and space (4pt)
8. Minimum 8 panels.

Marking System

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|  | Possible Points | Your Score |
| Content: All components are included and correctly demonstrated | 16 |  |
| Clarity: Illustrations clearly indicate what is happening. Description of what is happening (either as captions in boxes, dialogue bubbles or a combination) | 4 |  |
| Effort, Good use of Colour and Space. | 5 |  |
| Total | 25 |  |

Due date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_