1. How does a vaccine work?

/5

/5

1. Why do you need to be vaccinated every year for the flu?

/5

1. Why do you have to take the full course of antibiotics – even if you feel better ½ way through?
2. **Which comes first, specific or non-specific defenses:**

/15

a)1ea

b)4ea

/5

**b) WHY?**

1. **What are the 3 types of white blood cells:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Cell Name:** | /1 | /1 | /1 |
| **Function** | /4 | /4 | /4 |

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

/6

2ea

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

c) How do the answers from A and B know they match each other?

1. What is the difference between antigen and pathogen?