***Immune System***

A disease that cannot be spread from one individual to another is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A disease that is caused by a pathogen and that can be spread from one individual to another is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An organism, a virus, or a protein that causes disease is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***5 Pathways to a Pathogen***

|  |  |
| --- | --- |
| Ways to come into contact with a pathogen | 2 examples |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

***3 methods used to reduce the spread of disease***

|  |  |
| --- | --- |
| Method | Purpose of method (what it accomplishes) |
|  |  |
|  |  |
|  |  |

***Cells of the Immune System***

|  |  |
| --- | --- |
| Cell | What is it |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

***Challenges to the Immune System***

|  |  |
| --- | --- |
| Challenge | Description |
|  | When the immune system overreacts to an antigen that is harmless to the body |
|  | A disease when the immune system attacks the organisms own cells (ex: rheumatoid arthritis, type 1 diabetes, multiple sclerosis) |
|  | A disease in which the cells begin dividing at an uncontrolled rate and become invasive |
|  | A disease when HIV kills the helper T cells.  |