**CELL COMMUNICATION WEBQUEST**

*Directions: Go to* [*www.learn.genetics.utah.edu/content/cells*](http://www.learn.genetics.utah.edu/content/cells)*. Each part of this webquest shares the same title as the webpage where you will learn the information needed to answer the questions. Put your responses in your notebook!*

**PART 1 – The Fight or Flight Response**

1. Watch the video and provide a brief synopsis of what the movie discusses.

**PART 2 – How Cells Communicate During Fight or Flight**

1. What organs and/or glands are involved in the “Fight or Flight Response”?
2. What specific messenger(s) is(are) involved in the “Fight or Flight Response”?

**PART 3 – The Inside Story of Cell Communication**

1. Write a three sentence summary of the information you read and the video clip.

**PART 4 – When Cell Communication Goes Wrong**

1. Describe what happens (in regards to cell communication) in the two diseases discussed on this webpage.
   1. Diabetes
   2. Multiple Sclerosis
2. How is cell growth/cancer related to cell communication?

**PART 5 – Dropping Signals**

Follow the directions on the webpage to learn about each cell type and how stimuli affect each cell.

|  |  |  |  |
| --- | --- | --- | --- |
| ***Cell Type*** | ***Describe this cell type (click on “i" in the cell type box)*** | ***Name of chemical signal that you picked*** | ***Describe the cell’s response to chemical signal you picked*** |
| Photoreceptor |  |  |  |
| Muscle |  |  |  |
| Cancer |  |  |  |
| Leaf Parenchyma |  |  |  |
| Fibroblast |  |  |  |