

Name _____

Date _____

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When Cells Don't Communicate

Search

Diseases fall in to general categories. Search the general categories* to find a disease. Most diseases involve at least one breakdown in cell communication.

Cancer
Metabolic Disorders
Autoimmune Disorders
Neurodegenerative Disorders
Genetic Disorders (Single-gene or Multi-factorial)

*This is a partial list only.

Conduct an internet search to find information on a disease that results from a breakdown in cell communication. Describe the specific cause (miscommunication at the molecular level) as well as the symptoms and treatment of the disease. Use the guide below:

1. The disease upon which I am focusing:

2. The *specific* cause of the disease (the communication breakdown at the molecular level):

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The type of cell communication breakdown that causes this disease:

- Losing the signal
- Signal not reaching its target
- Target ignoring the signal
- Too much signal
- Multiple breakdowns
- Other (please describe)

3. The symptoms of the disease (result on the organismal level):

4. Treatment includes:

