Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

**How is digital information transmitted and received? Initial Model**

In the space below, **draw and label your ideas** about how digital information is transmitted and received. **(1)** What is happening in transmission at a physical level? What are the required elements of the model? How do they interact? **(2)** What is happening during reception at a physical level? What are the required elements of the model? How do they interact? **(3)** How does “number of bars” impact performance? What do bars represent? What factors affect the number of bars?

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| --- |
| **(1)** Transmission  **(2)** Reception  **(3)** Number of bars |

On the lines below, **explain** your tentative ideas about what is happening in different parts of your model above.

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