name date period

**Bozeman Biology: Cell communication video Guide**

<http://www.bozemanscience.com/037-cell-communication> (10:34)

1) List the 3 analogies Mr. Anderson gives about communication, then describe the 3 ways cell communicate correspond to these analogies

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| --- | --- |
| Analogy | Cell communication |
| 1)  |   |
| 2)  |   |
| 3)  |   |

4) What example is given for cell–to-cell contact ?

5) What is an antigen?

6) What do antigen presenting cells do?

7) How does the macrophage pass information to the helper T cell?

8) What message does the helper T cell pass on to the B cells and the killer T cells?

9) How are messages sent between neurons?

10) What is the benefit of a local regulator vs. communication through cell-to-cell contact communication?

11) What is a hormone?

12) Do all cells respond to a hormone? Do all cells respond in the same way to the hormone?