**VIDEO GUIDE FOR BOZEMAN BIOLOGY CELL COMMUNICATION**

1. How are post its like direct contact communication between cells?
2. How are emails like local regulators?
3. How is facebook like long distance or hormonal communication?
4. When a macrophage envelopes an invader, it surrounds it with a phagosome, and destroys it using the contents of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Then the shapes of it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are carried to its surface. This then links up with the CD4 on the surface of a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cell. The activated helper T cell then activates \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Chemicals called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ move across the short distance called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ between neurons.
6. How do beta-endorphins block pain? How do heroin and morphine mimic this?
7. How many different responses are triggered by human growth hormone?