

# AP Biology 037 – Cell Communication

## Video Review Sheet

[www.bozemanscience.com/037-cell-communication](http://www.bozemanscience.com/037-cell-communication)

1. Overview: do diagrams (or use his) to represent each (the work cell in a box and spacing etc.)
  - a. No distance
  - b. Short distance
  - c. Long distance
2. No distance: Immune Response example (Post-it note)
  - a. Antigens is an \_\_\_\_\_
  - b. APC example: m\_\_\_\_\_
  - c. T-helper cell has to know specifically what the \_\_\_\_\_ is
  - d. MHC2 is a p\_\_\_\_\_ that brings the surface of that antigen to its surface
  - e. CD4 is on the surface of the
  - f. The activated helper T-cell can then activate:
    - i. B Cell so it can make
    - ii. Killer T cell so it can
3. Short Distance: local regulator, neuron example (email)
  - a. Neurons are not directly connected, neurotransmitters have to cross the
  - b. Why aren't the two neurons directly connected? It is hypothesize that this is for
  - c\_\_\_\_\_.
  - c. What sport does Mr. Anderson do?
  - d. After a few hours of exercise, what is released and what does it do?
4. Long Distance: (Facebook example)
  - a. Example:
  - b. How is a hormone like Facebook?
5. Summary: Our body cells are like us: You have to know your \_\_\_\_\_ and send a \_\_\_\_\_ that is \_\_\_\_\_