

AP Biology 037 – Cell Communication

Video Review Sheet

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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 _____