

18. What occurs with the fluid?
 - a. What does this cause?
 - b. Why is this the response?
19. Why does the blood pressure decrease?
20. What does the histamine do to the airway?
21. What does the body release as a result?
22. Why does Phoebe still have the allergic reaction?
23. Physiologically, what happens to her blood pressure and heart rate?
24. How long does Phoebe have to live?
25. What is the treatment for the allergy? What does this do?

Body Story – The Flu Video Questions

1. What is the first place that the influenza virus is trapped when it enters Holly's body?
2. What else in the nose is secreted that kills bacteria on contact?
3. What type of cells does the influenza virus infect?
4. How does the influenza virus get into Holly's cells?
5. Once inside her cells what does the influenza virus do?
6. Is influenza B a lytic or lysogenic infection?
7. What do the natural killer cells do?
8. What do the macrophages act like inside the body?
9. What are some of the human body reactions to infections?
10. What does interleukin do?

Bonus: What is taking Holly's body so long to begin a full immune attack?

Name _____

Date _____

Period _____

AP Biology
A Body Story - Video Questions

Out of Control (Allergy Portion 21:30-45:13) - <https://www.youtube.com/watch?v=UWVtGz9U2II>

1. What does wasp venom do?
 - a. _____
 - b. _____
2. What is Phoebe's response to the sting?
 - a. Mast cells release _____
 - b. Histamine _____
 - c. Fluid leaks out and _____
3. Inflammation causes the skin to be
 - a. _____
 - b. _____
 - c. _____
4. How long will it take for antibodies to be produced?
5. How does the dog hair enter Phoebe?
6. What type of cell does the IgE attach to?
7. What is the IgE antibody intended for?
8. What is the purpose of the IgE response?
9. Complete the steps
 - a. Dog hair enters the nose
 - b. Dog hair _____
 - c. Mast cells _____
 - d. Blood vessels in Phoebe's nose _____
 - e. Fluid _____
 - f. Parasites _____
10. If there are no parasites, then what do you have?
11. According to the video, how can you avoid having a large number of allergies?
12. What type of gland do the dendritic cells enter? What do they make?
13. What do the B cells do when they come into contact with the dendritic cells?
 - a. _____
 - b. _____
14. Why are IgE antibodies produced and where do they attach?
15. Besides creating thymine-thymine dimers (hope the photoreactivating enzyme is working for Phoebe), what do the UV rays do?
 - a. Penetrate _____
 - b. _____
 - c. Mast cells _____
 - d. Phoebe's skin _____
16. 24 hours later, what does the histamine do? How does Phoebe feel?
17. Mast cells are _____ more sensitive
 - a. How many mast cells die within the first fraction of a second, after the sting? _____
 - b. What will the venom do that's in Phoebe's blood stream? _____