

Name: _____

Period: _____

Building a Bacteriophage

Directions: Use the materials provided to build a model of a bacteriophage. Watch the video (shown by your teacher) to fold the paper into a tetrahedron. Put a paperclip inside the tetrahedron. Attach straws and pipe cleaners to the bottom. Once you have completed your model answer the following questions about it.

1. What types of cells does this virus infect?
2. What does the paperclip represent? What is the function of this structure?
3. What does the folded paper represent – the tetrahedron? _____ What is the function of this structure?
4. What does the straw and pipe cleaners represent? What is the function of these structures?
5. What is the significance of the viruses shape?
6. Draw and label your model below before turning it over to your teacher for grading.
7. What do cells and viruses have in common?
8. How do cells and viruses differ?