**Be the Researcher!** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions: Use the internet to research the following questions about viruses and specifically bacteriophages.. You can use any mobile device: phone, tablet, computer, etc.

1.) Why are viruses not considered to be alive?

2.) What parts make up a virus?

3.) How can we control viruses?

4.) What are the four different structure types of viruses?

1.)

2.)

3.)

4.)

5.) What parts make up a bacteriophage?

6.) What’s the difference between the lytic cycle of a bacteriophage and a lysogenic cycle?

Construction: Be the BUILDER! Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions

1.) Model the steps in the life cycle of a lytic bacteriophage using the following materials provided for you:

Gum drops, Twizzler pull and peel licorice, pencils, paper, sticky notes, pipe cleaners, play dough, straws

2.) Be sure to label the different parts in the cycle

3.) List the different steps in the cycle on a sticky note beside each step

Diagram

Description automatically generated

Be CREATIVE!