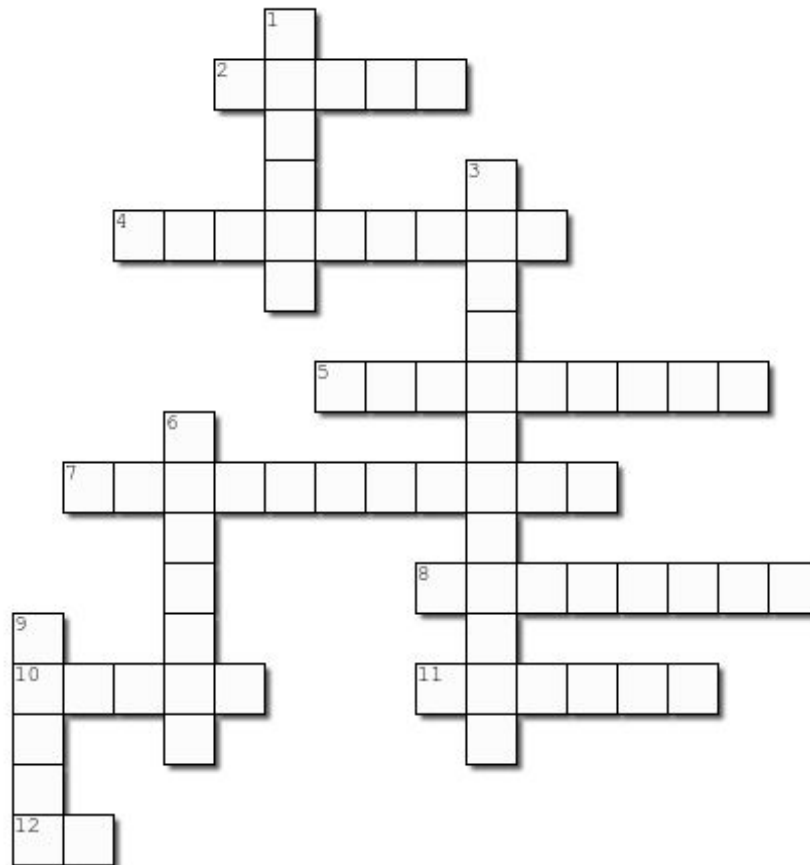


Phage Hunters!  
Crossword Puzzle  
Aspen Robinson and Ravneet Johal

Name: \_\_\_\_\_

# Phage Hunters!

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

## **Across**

2. Another word for phage concentration of your lysate; calculated by counting the number of plaques formed from a given volume
4. The life cycle that involves incorporating the viral genome into the host genome
5. A phage enzyme released from the virocell that cleaves bonds in peptidoglycan, assisting in lysis
7. Type of enzymes that cleave DNA at specific sites
8. A host cell that contains an intact phage chromosome and is capable of virion production
10. The rupture of a prokaryote cell membrane
11. The protein shell that surrounds the phage chromosome(s)
12. Alpha-numeric name for the bacteriophage named "Lander" in Mary Youle's Thinking Like a Phage (Aka poster child for phages)

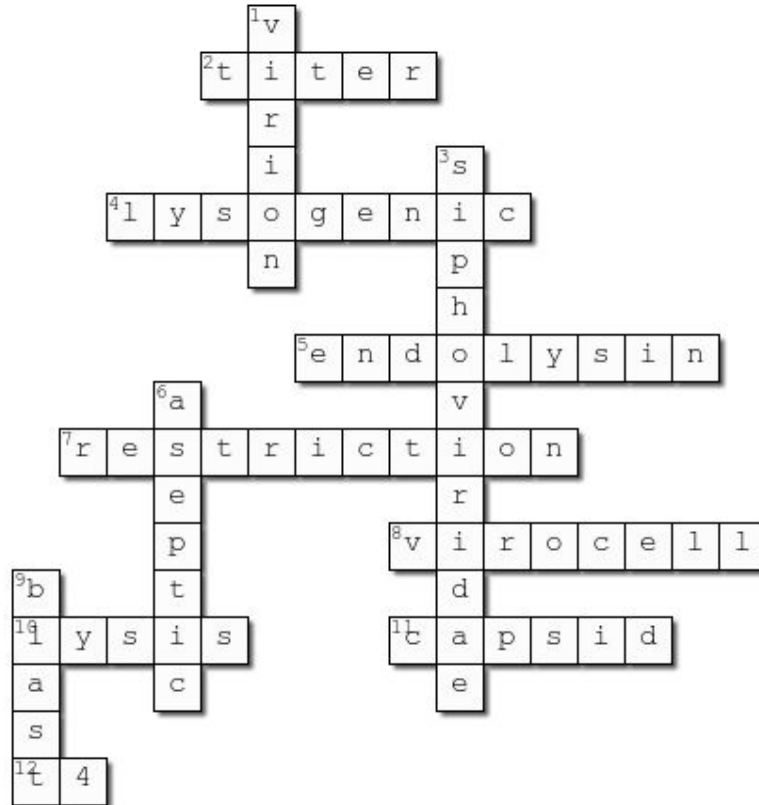
## **Down**

1. The name for an extracellular dispersal form of a phage
3. The morphology of phages that have a long flexible tail
6. Name of technique used to prevent contamination in microbiology lab experiments
9. A program that performs pairwise sequence alignments between sequences; can be used to align nucleotide and protein sequences

Name: \_\_\_\_\_

# Phage Hunters!

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

## Across

2. Another word for phage concentration of your lysate; calculated by counting the number of plaques formed from a given volume (**titer**)
4. The life cycle that involves incorporating the viral genome into the host genome (**lysogenic**)
5. A phage enzyme released from the virocell that cleaves bonds in peptidoglycan, assisting in lysis (**endolysin**)
7. Type of enzymes that cleave DNA at specific sites (**restriction**)
8. A host cell that contains an intact phage chromosome and is capable of virion production (**virocell**)
10. The rupture of a prokaryote cell membrane (**lysis**)
11. The protein shell that surrounds the phage chromosome(s) (**capsid**)
12. Alpha-numeric name for the bacteriophage named "Lander" in Mary Youle's Thinking Like a Phage (Aka poster child for phages) (**t4**)

## Down

1. The name for an extracellular dispersal form of a phage (**virion**)
3. The morphology of phages that have a long flexible tail (**siphoviridae**)
6. Name of technique used to prevent contamination in microbiology lab experiments (**aseptic**)
9. A program that performs pairwise sequence alignments between sequences; can be used to align nucleotide and protein sequences (**blast**)