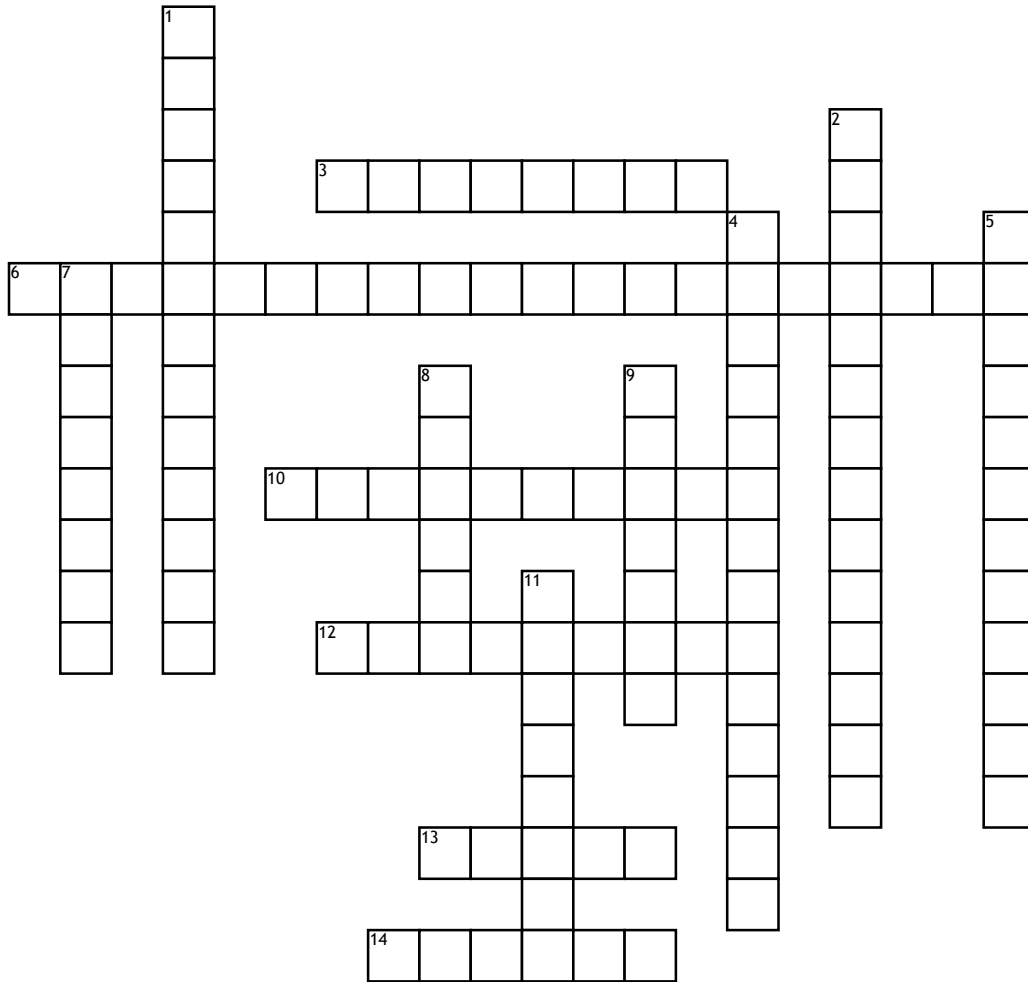


# Viruses



**Across**

- 3. When integrated into the bacterial chromosome in this way, the viral DNA is known as a
- 6. Retroviruses have an enzyme called
- 10. A phage replicative cycle that culminates in death of the host cell
- 12. Each particular virus can infect cells of only a limited number of host species
- 13. an infectious particle consisting of little more than genes packaged in a protein coat

- 14. The protein shell enclosing the viral genome

**Down**

- 1. A phage that replicates only by a lytic cycle
- 2. Many of the most complex capsids are found among the viruses that infect bacteria
- 4. Are derived from the membranes of the host cell, contain host cell phospholipids and membrane proteins
- 5. The RNA animal viruses with the most complicated replicative cycles

- 7. A widespread outbreak
- 8. Proteins that cause a number of degenerative brain diseases in various animal species
- 9. A harmless derivative of a pathogen that stimulates the immune system to mount defenses against the harmful pathogen
- 11. The integrated viral DNA

**Word Bank**

- |                       |            |                |                |
|-----------------------|------------|----------------|----------------|
| prophage              | Host range | virulent phage | epidemic       |
| Viral envelopes       | Prions     | Virus          | retroviruses   |
| reverse transcriptase | Provirus   | Capsid         | Bacteriophages |
| Lytic cycle           | Vaccine    |                |                |