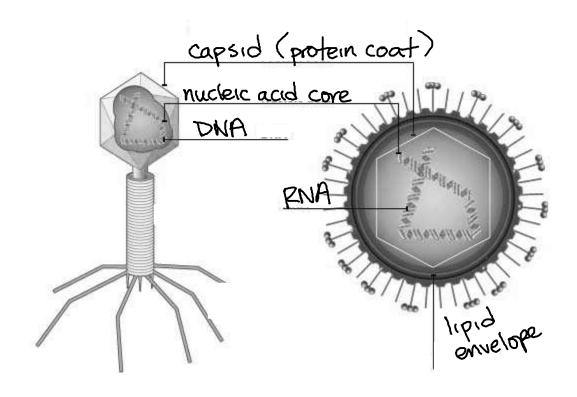
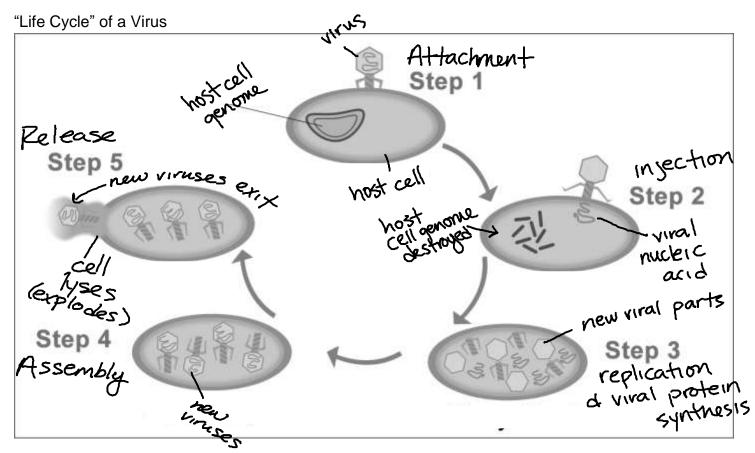
| Name | Date | Virus Notes |
|---|--|--|
| Explain how the Cell Theory helps scientists to confidently answer the question, "Are viruses alive?" | | |
| Cell theory gives basic | definition of life | e (cells = life) |
| Complete the box-and-t-chart below to compa Include at least 3 similarities and at least 6 differences. | re and contrast viruses with li | ving things. prokaryotes, like bacteria) |
| Both 1. have genetic materia 2. have proteins 3. Can make copies | (| |
| Viruses | Living Things (including | Bacteria) |
| 1. don't grow or reprodue w/out a host 2. don't respond to stimuli or naintain homeostasis 3. Simpler & smaller | 1. grow & responsible formed to the state of | eproduce independly |
| 4. no energy source | w/ cell me 4. Use end | |
| 5. not all viruses have DNA | 5. all have I | ONA (no exceptions) |
| 6. no carbon source | 6. all use a | contain carbon |
| Why were viruses discovered so much later the electron microscope, which can magnify image too small (TMV was | • | - |

What most likely appeared on earth first - viruses or cells? Explain your prediction. (Hint: Viruses

Cells, b/c viruses need cells to replicate

require a host cell to reproduce.)





Why is it important to understand the structure and functioning of viruses?

to know how to treat a prevent infection