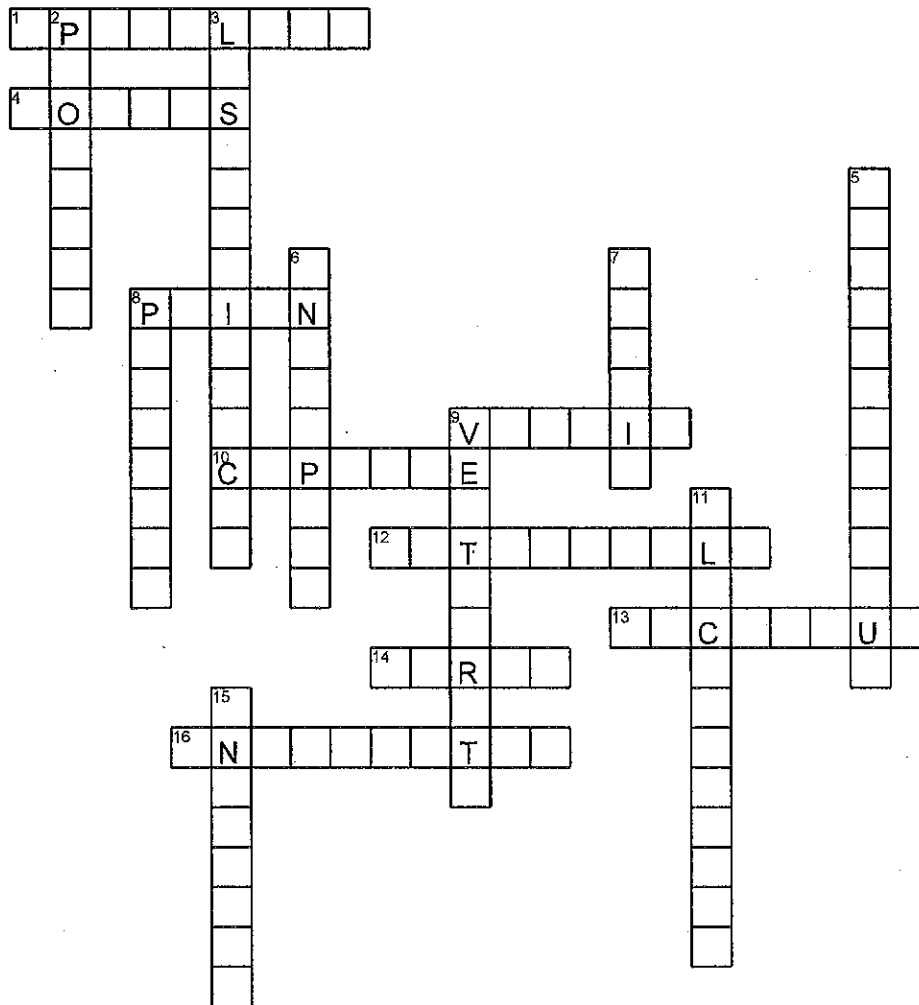


Bacteria and Viruses Level1, Holt Biology

Name _____ Date _____

Instructions: Complete the puzzle. Use the clues to help you fill the boxes with the correct words.



ACROSS

1. a spiral-shaped bacterium
4. a sphere-shaped bacterium
8. an infectious particle that consists only of a protein and that does not contain DNA or RNA
9. an infectious agent that consists of a small strand of RNA and that causes disease in plants
10. in mosses, the part that contains spores; in bacteria, a protective layer of polysaccharides around the cell wall
12. cycle in which a viral genome replicates as a provirus resulting in the destruction of the host cell
13. a rod-shaped bacterium
14. a nonliving, infectious particle composed of a nucleic acid and a protein coat; it can invade and destroy a cell
16. a substance that can inhibit the growth of or kill some microorganisms

DOWN

2. viral DNA that has attached to a host cell's chromosome and that is replicated with the chromosome's DNA
3. cycle in which a viral genome replicates as a provirus without destroying the host cell
5. a virus that evolves in a geographically isolated area and is pathenogenic to humans
6. a thick-walled protective spore that forms inside a bacterial cell and resists harsh conditions
7. a protein sheath that surrounds the nucleic acid core in a virus
8. a virus, microorganism, or other substance that causes disease; an infectious agent
9. an animal that has a backbone; includes mammals, birds, reptiles, amphibians, and fish
11. a protein to which carbohydrate molecules are attached
15. a membranelike layer that covers the capsids of some viruses