

Name: _____
Class: _____

Date: _____

Survey on bacteria

Please answer the following questions to the best of your ability, using your knowledge of bacteria and their growth.

1. Name three factors that bacteria need for their growth.

- a. _____
- b. _____
- c. _____

2. Do bacteria reproduce sexually or asexually? Circle one.

Sexual reproduction

Asexual reproduction

3. How long does it take for a bacterial population to double in size?

- a. 1 minute
- b. 20 minutes
- c. 4 hours
- d. 1 day

4. Antibacterial hand soap or sanitizing gel works by:

- a. Killing bacteria by breaking the cell membrane
- b. Removing food that bacteria needs to grow
- c. Washing the bacteria off your hands by physical force
- d. It doesn't really work

5. What temperature is the best for bacterial growth?

- a. 15 °C (59 °F)
- b. 25 °C (77 °F)
- c. 37 °C (98.6 °F)
- d. 45 °C (113 °F)

The following three questions are true or false questions. Circle your answer choice.

6. Bacteria only grow in darkness. **T** **F**

7. Bacteria are eukaryotes. **T** **F**

8. Bacteria are unicellular organisms. **T** **F**

9. Name one reason why scientists would want to grow bacteria in the lab.

10. Name 2 methods that scientists use to count bacteria or monitor their growth.

1. _____

2. _____
