

Name _____

Date _____

Bacteria

1. Monerans are _____ because they lack a true nucleus and membrane-bound organelles.
2. _____ are the only monerans that lack cell walls.
3. _____ are found in extremely harsh environments.
4. Sphere-shaped bacteria are called _____.
5. Staphylococci look like _____ of circles.
6. The _____ may protect the bacterium from the host's immune system.
7. _____ bacteria have the ability to produce their own food.
8. _____ are bacteria that feed on dead organisms.
9. Bacteria that require oxygen to live are called _____.
10. A gram-positive bacterium stains the color _____.
11. During _____, a donor bacterium transfers genetic material to a recipient bacterium.
12. A bacterial _____ allows certain species to survive certain harsh environmental conditions.
13. While the photosynthetic bacteria are similar to plants, these bacteria do not have _____.
14. Gram-_____ bacteria are more resistant to antibiotics.
15. Bacteria lack mitochondria so their _____ is the site of cellular respiration.
16. _____ bacteria are always found alone – never in pairs, chains, or clusters.
17. Some bacteria have _____ that help them to move, others rely on air or fluid currents.
18. The vast majority of bacteria reproduce asexually by a process called _____.
19. Our resident intestinal bacteria are _____ because they take food from us but not enough to cause any harm.
20. You are only able to see bacteria macroscopically (with the naked eye) in the form of a _____ which is really thousands of bacteria growing together.

Please identify each of the following structures on the bacterium below.

- Capsule
- Cell membrane
- Cell wall
- Chromosome
- Flagella
- Pilus
- Plasmid
- Ribosomes

