

Name: _____

Date: _____

Classification of Bacteria Review

1. Name the three ways bacteria are classified.
 - a.
 - b.
 - c.
2. How do heterotrophs get their energy?
3. Why are photosynthetic autotrophs important to the ecosystem?
4. What color do gram positive bacteria stain when you are using the gram staining procedure?
5. What do diplospirillum bacteria look like?
6. What shape do bacillus bacteria have?
7. How do chemosynthetic autotrophs get their energy?
8. What color do gram negative bacteria stain?
9. Why are chemosynthetic autotrophs important to an ecosystem?

10. What do staphylococcus bacteria look like?

11. Why don't mycoplasmas stain with gram stain?

12. What do streptococcus bacteria look like?

13. Why are heterotrophs important to the ecosystem?

14. What are the three groups all bacteria fit into if you are grouping them **based on how they get their energy?**

a.

b.

c.

15. What are the three groups all bacteria can fit into **if you are grouping them based on shape?**

a.

b.

c.

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Miscellaneous Bacteria Information

1. Name 2 ways bacteria can reproduce.
 - a.
 - b.
2. What is the term used to describe a bacteria that is in hibernation inside a hard outercoat?
3. How do humans get botulism?
4. What are the 4 steps in binary fission?
 - a.
 - b.
 - c.
 - d.
5. What causes tetanus?
6. Which special structure is used to transfer DNA from one bacteria to another during conjugation?
7. Why do bacteria make endospores?
8. How fast can bacteria reproduce?

