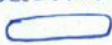




Bacteria Quiz Review

1. What distinguishes a bacterial cell from a eukaryotic cell?

Lack of a nucleus

2. Name and sketch the three major shapes of bacteria:

<p>Bacilli</p> 	<p>Cocci</p> 	<p>Spirilla</p> 
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3. What is difference between **Gram Positive** and **Gram Negative** bacteria?

Gram positive - violet stain Gram negative - red stain

4. How do **heterotrophs** and **autotrophs** obtain their energy?

Heterotrophs need to consume other things to get energy

Autotrophs can produce their own energy

5. Name and describe two types of structures that bacteria can use to move:

flagella - whip like tail

cilia - hair like structure

6. What is the difference between **binary fission** and **conjugation**?

Binary fission - DNA duplicates cell divides

Conjugation - hollow bridge to exchange DNA

7. If conditions for growth are unfavorable (i.e. too hot or cold, or too dry), what can some bacteria do in order to survive?

They can form an endospore

8. What is a **virus**? Describe the basic structure of a virus?

DNA surrounded by a protein coat

9. Why are viruses not considered to be living things?

Needs a host to reproduce

10. Name two ways in which bacteria are helpful to humans, and two ways in which they are harmful.

Helpful	Harmful
yogurt	disease
digestion	death