

# Classification Study Guide (Part 2)

Name \_\_\_\_\_

Period \_\_\_\_\_

One of your goals in this unit is to learn the characteristics of organisms in the different domains and kingdoms. Domains and kingdoms are the largest, most general levels of classification. Even though organisms in a domain or kingdom can be quite different, all of the members in that group share certain characteristics.

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1. What are the three domains used in classification?

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2. How are organisms placed into domains and kingdoms?

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3. What are characteristics of organisms in the domain Bacteria?

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4. What is an autotroph? A heterotroph? (Look on page 38)

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5. What is a prokaryote? Which domains contain prokaryotes?

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6. What are characteristics of organisms in the domain Archaea?

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7. What is a eukaryote? What are the four kingdoms in the domain Eukarya?

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8. What are characteristics of organisms in the Protist kingdom?

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9. What are characteristics of organisms in the Fungi kingdom?

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10. What are characteristics of organisms in the Plant kingdom?

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11. What are characteristics of organisms in the Animal kingdom?

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12. Plants, most fungi, and animals are complex multicellular organisms. Explain the different ways each obtains nutrients.