Seventh Grade Science  
Prokaryotic and Eukaryotic Cells Quiz

1. Which kingdoms are made up of prokaryotes?

A. Eubacteria and Archaebacteria

B. Protists and Fungi

C. Plantae and Animalia

D. Prokaryotic and Eukaryotic

2. How many times larger is a eukaryotic cell than a prokaryotic cell?

A. 5 times

B. 10 times

C. 50 times

D. 100 times

3. Which type cell appeared first on earth?

A. Prokaryotic cells

B. Eukaryotic cells

C. Animal cells

D. Plant cells

4. Prokaryotic cells do not have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. DNA

B. Cell membrane

C. Cytoplasm

D. Nucleus

5. Which type of cell has membrane bound organelles?

A. Prokaryotic cells

B. Bacteria cells

C. Eukaryotic cells

D. E-coli bacterium

6. Which of these structures do prokaryotes and eukaryotes share?

A. Nucleus

B. Cell wall

C. Organelles

D. Ribosomes

7. Prokaryotes were the first type of organism to evolve.

T. True

F. False

8. What kinds of organisms contain prokaryotic cells?

A. Fungi

B. Animals

C. Plants

D. Bacteria

9. The prefix Eu and suffix kary indicate that Eukaryotic cells have

A. No nucleus

B. A true nucleus

C. Before nucleus

D. No kernel

10. This type cell can be unicellular or multicellular.

A. Bacteria

B. Prokaryotic

C. Amoeba

D. Eukaryotic

11. One single chromosome of DNA attached to the cell membrane is found in this type  
cell.

A. Animal

B. Plant

C. Prokaryotic

D. Eukaryotic

12. Prokaryotic cells reproduce

A. Sexually

B. Asexually

13. These cells have genetic material that is 50% from one parent and 50% from the other  
parent.

A. Prokaryotic

B. Eukaryotic

14. Which of these organisms are not prokaryotes?

A. Fungi

B. E-coli

C. Streptococcus

D. Bacteria

15. Which of these organisms are not eukaryotes?

A. Yeast

B. Algae

C. Fungi

D. Bacteria

16. Which of these is not a eukaryotic Kingdom?

A. Protists

B. Fungi

C. Bacteria

D. Animalia

17. DNA is the genetic code of all organisms. Describe the location of DNA in both types of cells.

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18. Compare and contrast the structure of prokaryotic and eukaryotic cells.

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