

Interactivity: Prokaryotes and Eukaryotes

Name _____

ClassLink → Pearson → Pearson Realize → Orange Heading “Biology” → Interactivity: Prokaryotes and Eukaryotes

1. Read the Introduction, **Prokaryote vs. Eukaryote**.

	Prokaryotic Cell	Eukaryotic Cell
Does this cell have a nucleus?		
Cell size	Smaller	
Complexity		
Example of organism with this cell type	Bacteria	

2. **Compare Prokaryotes and Eukaryotes**

a. Compare the 2 cells. What is one **similarity** between both cells? _____

b. Contrast the 2 cells. What are two **differences** between both cells?

i. _____

ii. _____

c. Click the gray circle on the **Prokaryote**.

i. Within a prokaryotic cell, what area is the DNA located within? _____

ii. How is the DNA organized? _____

d. Click the gray circle on the **Eukaryote**.

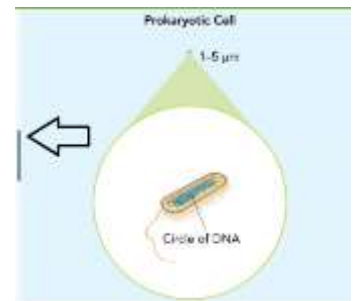
i. Within a eukaryotic cell, what area is the DNA located within? _____

ii. How is the DNA organized? _____

3. **A Matter of Scale**

Slide the gray bar on the side to compare the sizes of prokaryotic and eukaryotic cells.

a. What other differences do you see between the **prokaryotic** and **eukaryotic** cells?



4. **Identifying Cell Types**

a. Cell Type A _____ How could you tell? _____

b. Cell Type B _____ How could you tell? _____

c. Cell Type C _____ How could you tell? _____

d. Cell Type D _____ How could you tell? _____

5. **Venn Diagram to compare Prokaryotic and Eukaryotic cells**

Drag the tiles to create the Venn Diagram and copy it down here.

Prokaryotic Cells

Eukaryotic Cells

