

## Prokaryotic and Eukaryotic Cells

Name \_\_\_\_\_

School \_\_\_\_\_

Date \_\_\_\_\_

All living things have at least one or more cells. Cells in our world come in two basic types – Prokaryotic and Eukaryotic.

**Fill in the chart with ( A ) or ( B ) from the descriptions below:**

		Prokaryotic	Eukaryotic
1	Meaning of the word		
2	Describe the nucleus		
3	Does it have organelles?		
4	What types of cells?		
5	What kind of borders does it have? Cell membrane or wall		
6	How big is it?		
7	How is the DNA arranged?		
8	When did it evolve?		
9	What does it look like?		

**1. Meaning**

a. Before a nucleus

b. Possessing a true nucleus

**2. Nucleus**

a. Nucleus is enclosed in a membrane

b. Has no true nucleus

**3. Organelles**

a. Has membrane-bound organelles

b. Has no membrane protecting organelles

**4. Type of cells**

a. Plants cells, animal cells, fungi, protists

b. All bacteria

**5. Cell membrane or wall**

a. May have cells walls or cell membranes

b. These have a cell wall

**6. Size**

a. Small and simple

b. Larger and more complex

**7. DNA**

a. Circular

b. Linear

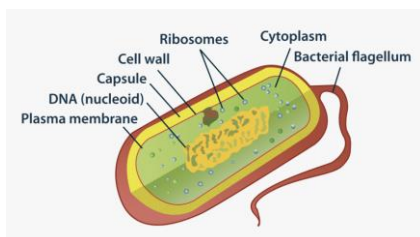
**8. Evolution**

a. Evolved from prokaryotes

b. The first organisms on Earth (3.5 Billion yrs)

**9. Image**

a. .



b.

