the cell

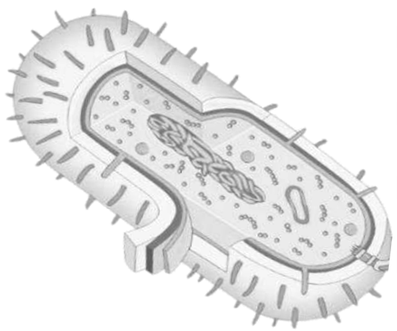
Cell theory

-
-
-

Membrane-bound?

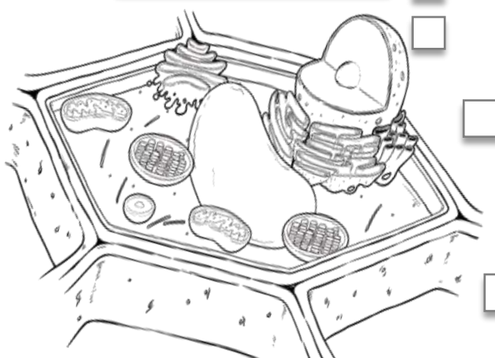
PRO- KARYOTE

B4 - NUCLEUS

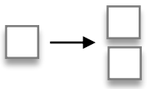


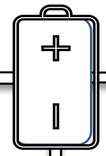
EU- KARYOTE

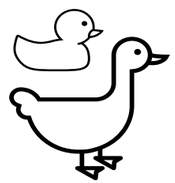
TRUE



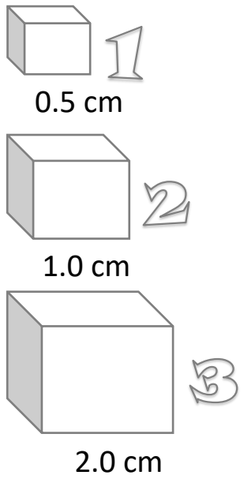
Characteristics Of LIFE







cell size

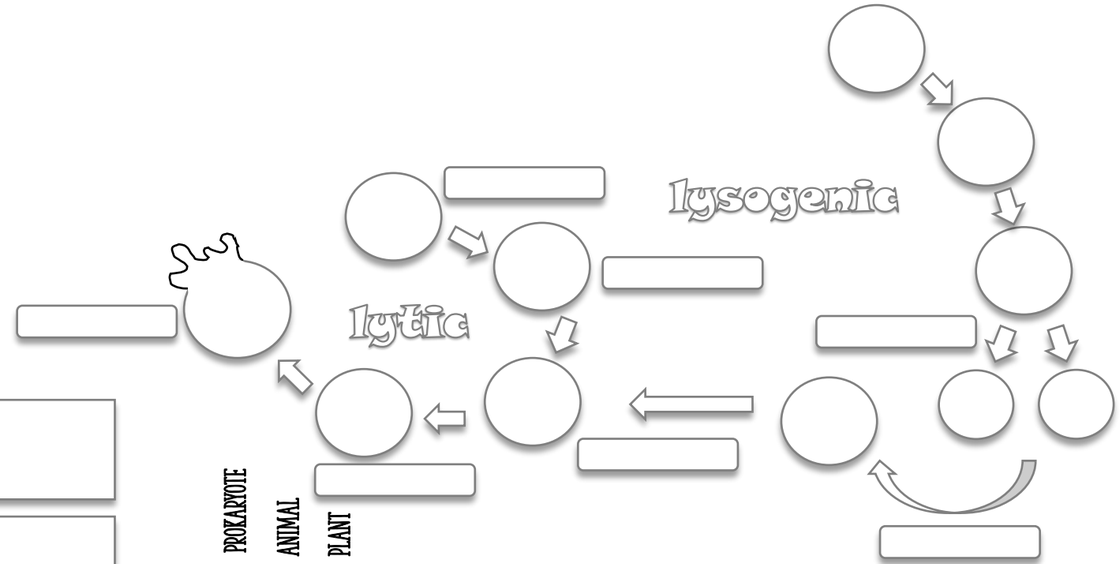


Cell #	Vol – cm^3	Surface Area – cm^2	Ratio
1			
2			
3			

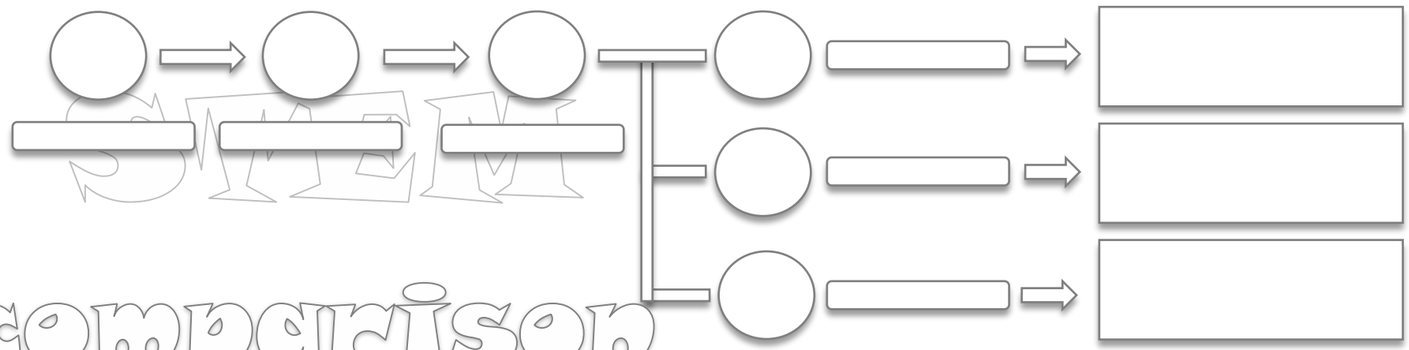
- [ ] THIS RATIO IS AN IMPORTANT RATIO BECAUSE…
- [ ] THE LARGER THE CELL…

Viruses

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

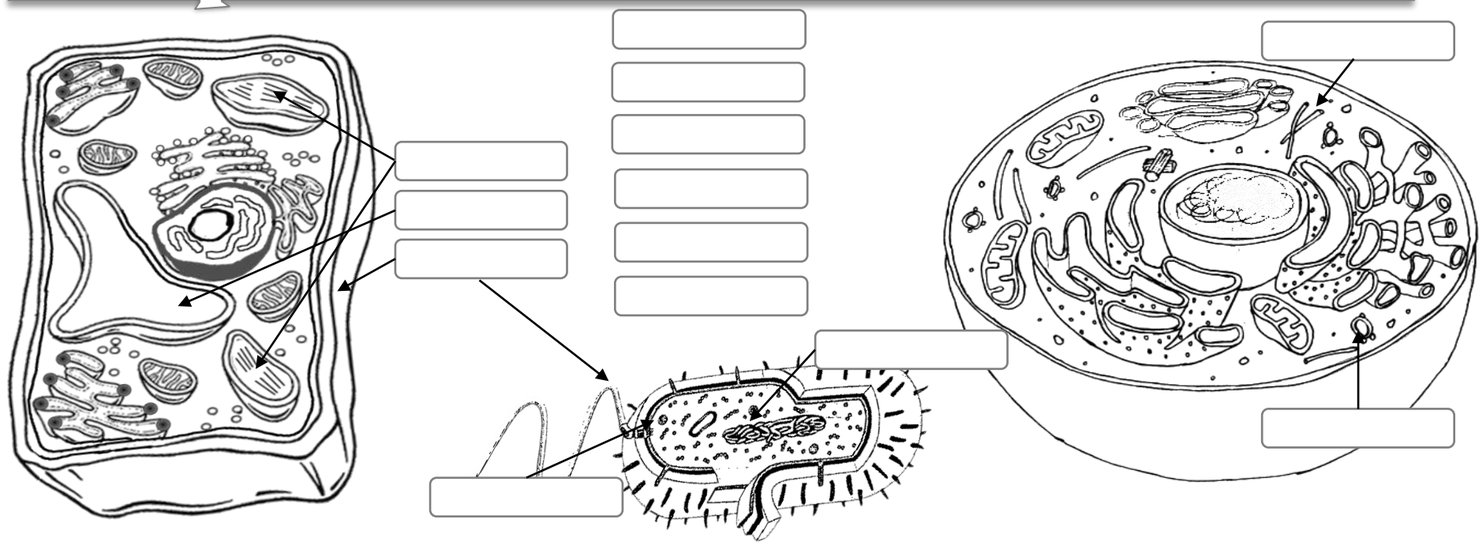


differentiation



comparison

			ORGANELLE	DESCRIPTION
			CELL WALL	
			CELL MEMBRANE	
			NUCLEUS	
			CYTOPLASM	
			MITOCHONDRIA	
			ROUGH ER	
			RIBOSOMES	
			GOLGI BODY	
			CHLOROPLAST	
			VACUOLES	
			LYSOSOMES	



the cell

CELL THEORY

MEMBRANE BOUND ?

pro KARYOTE

B4 → NUCLEUS

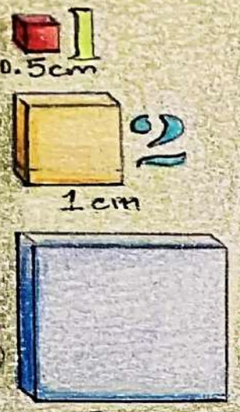
BACTERIA

eu KARYOTE

True

characteristics OF Life

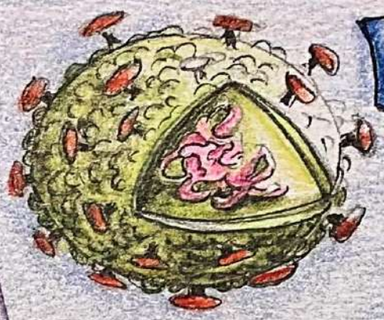
CELL SIZE



CELL #	cm3 VOLUME	cm2 SURFACE AREA	RATIO
1			
2			
3			

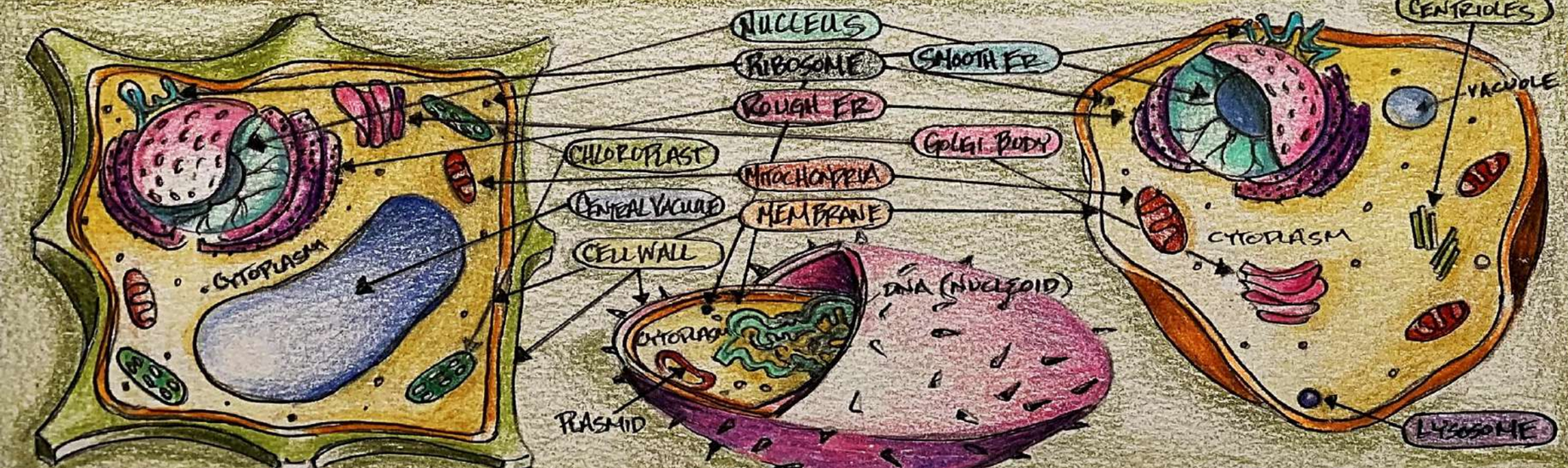
- THIS IS AN IMPORTANT RATIO BECAUSE...
- THE LARGER THE CELL...

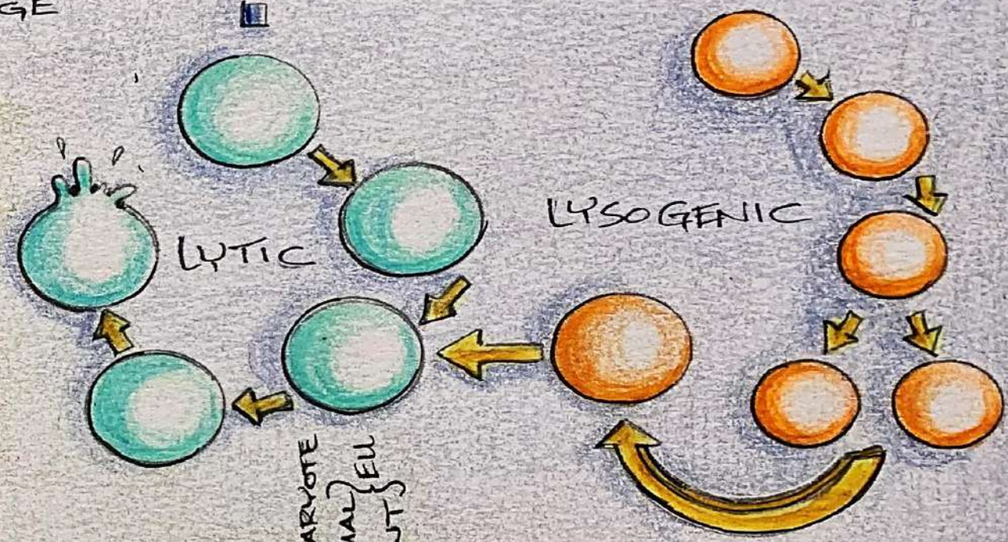
VIRUSES



DIFFERENTIATION

SEM Comparisson





PROKARYOTE	ANIMAL CELL	PLANT CELL	ORGANELLE	DESCRIPTION
			CELL WALL	
			MEMBRANE	
			NUCLEUS	
			CYTOPLASM	
			MITOCHONDRIA	
			ROUGH ER	
			RIBOSOMES	
			GOLGI	
			CHLOROPLAST	
			VACUOLES	
			LYSOSOMES	