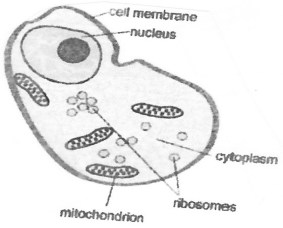
7th grade Cell Biology Study Guide Name _____ Period _____

1. What is the rigid structure that is found in plants and trees called _____.

2. Please view the picture:



What type of cell is this? Please circle: a prokaryotic cell or eukaryotic cell and is this a picture of a plant or animal cell and explain why? _____.

3. No matter how large or how small a living organism is:

True or False a. All living things have cells _____

b. Their cells function similarly _____

4. What organelle stores the genetic information of the cell? _____.

And what is this genetic material called that crime investigators use to study _____.

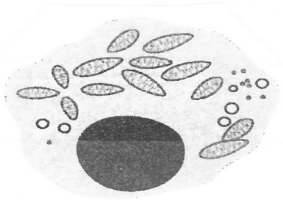
5. What is the green pigment inside the chloroplasts called _____. This green surface allows these organelles (chloroplasts) to absorb energy from which source? _____.

6. How do chloroplasts help the mitochondria function? _____

_____.

7. When an animal cell uses the chemical energy stored in sugar molecules, which organelle or organelles must the oxygen reach? _____.

8. Sunlight is the fuel for _____.

9. Different cells have different number of mitochondria. In fact, some of your cells in your body have a hundred mitochondria. A cell that uses a large amount of _____ would need more mitochondria.

10. Is this a plant or an animal and why?