

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Cell, Worksheet - 1

1. The cell is the basic unit of all known living organisms. They come in all shapes and sizes, but possess many common components. These are called organelles. Use the words in the box to fill in the gaps and to identify the organelles and their functions.

The ..... contains all the genetic information for the cell and controls all the cell's functions.

The ..... is where most chemical processes take place. These are controlled by enzymes.

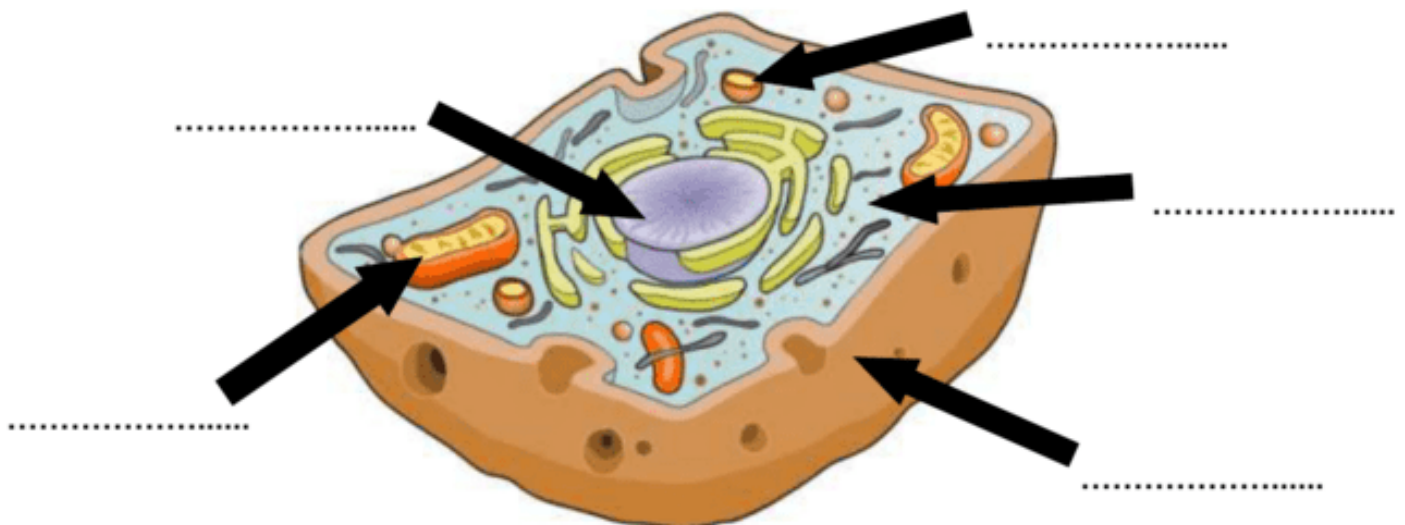
The ..... forms the outside of the cell and acts as a barrier, controlling the transfer of materials into and out of the cell.

Protein synthesis takes place in the .....

..... are located in the cell's cytoplasm. They provide energy for the cell by carrying out cellular respiration.

nucleus    cell membrane    mitochondria    cytoplasm    ribosomes

2. Label this diagram of an animal cell using the above terms.





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## Cell, Worksheet - 2

Complete the following table by writing the name of the cell part or organelle in the right hand column that matches the structure/function in the left hand column. A cell part **may** be used more than once.

Structure/Function	Cell Part
1. Stores material within the cell	
2. Closely stacked, flattened sacs (plants only)	
3. The sites of protein synthesis	
4. Transports materials within the cell	
5. The region inside the cell except for the nucleus	
6. Organelle that manages or controls all the cell functions in a eukaryotic cell	
7. Contains chlorophyll, a green pigment that traps energy from sunlight and gives plants their green color	
8. Digests excess or worn-out cell parts, food particles and invading viruses or bacteria	
9. Small bumps located on portions of the endoplasmic reticulum	
10. Provides temporary storage of food, enzymes and waste products	
11. Firm, protective structure that gives the cell its shape in plants, fungi, most bacteria and some protists	
12. Produces a usable form of energy for the cell	
13. Packages proteins for transport out of the cell	
14. Everything inside the cell including the nucleus	
15. Site where ribosomes are made	