

## 1.2 CELLS

NAME:  
DATE:  
PERIOD:

### INSIDE A CELL

- \_\_\_\_\_: a membrane that surrounds the cell, separating the inside of the cell from the outside.  
-it \_\_\_\_\_ the cell and regulates the movement of particles \_\_\_\_\_ and \_\_\_\_\_ of the cell.
- \_\_\_\_\_ - a jelly-like substance inside the cell. It contains \_\_\_\_\_ and other life supporting substances.
- \_\_\_\_\_-structures that carry out specific \_\_\_\_\_ to help the cell \_\_\_\_\_
- Organelles take up \_\_\_\_\_ to \_\_\_\_\_ % of the cell.
- 70 to 95 % of the cell is \_\_\_\_\_.
- Most organelles are in both \_\_\_\_\_ cells and \_\_\_\_\_ cells

### ORGANELLES FOUND IN BOTH ANIMAL CELLS AND PLANT CELLS

- \_\_\_\_\_ - controls all the cell's activities. AKA the "control centre"  
-contains deoxyribonucleic acid (AKA \_\_\_\_\_)
  - \_\_\_\_\_ - energy producers. AKA "power house"  
-carry out \_\_\_\_\_ to produce energy for the cell (chemical energy from the food we eat is changed into energy that our cells use.)
- \_\_\_\_\_ + \_\_\_\_\_ → \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_
- \_\_\_\_\_ -the total of all chemical reactions that take place in our cells.
  - \_\_\_\_\_ - like a small factory that assemble proteins
  - \_\_\_\_\_ -a network of membrane-covered channels (look like folds of a fan) that transport materials

- \_\_\_\_\_ - sorts proteins and packs them into vesicles.
- \_\_\_\_\_ - membrane wrapped structures that carry proteins, nutrients and water.
- \_\_\_\_\_ - temporary storage compartments.
  - Sometimes hold wastes.
  - Larger in \_\_\_\_\_ cells
- \_\_\_\_\_ - contain digestive chemicals that break down food particles, cell wastes, and worn-out cells.

### THE DIFFERENCE BETWEEN PLANT AND ANIMAL CELLS

- There are \_\_\_\_\_ cell parts found in plants but not animals.

1. \_\_\_\_\_

2. \_\_\_\_\_

1. \_\_\_\_\_ - a tough, rigid structure that surrounds the cell membrane and give the cell its regular, box-like shape.

-it protects the cell.

2. \_\_\_\_\_ - trap energy from the sun and change it into chemical energy.

- \_\_\_\_\_ - the chemical reaction that takes place in plant cells when carbon dioxide and water react in the presence of sunlight to produce glucose and oxygen.

