

Cell & Cell Processes Review Sheet

I. Organelles:

- | | |
|---------------------------------|---|
| _____ 1. nucleus | a. assembles proteins |
| _____ 2. cell membrane | b. uses enzymes to digest molecules & "old parts" |
| _____ 3. chloroplast | c. control center |
| _____ 4. ribosomes | d. selectively permeable |
| _____ 5. lysosomes | e. contain chlorophyll |
| _____ 6. cytoplasm | f. makes ribosomes |
| _____ 7. cell wall | g. transporting tubes |
| _____ 8. nucleolus | h. jelly-like material |
| _____ 9. mitochondrion | i. made of cellulose, used for support, shape, protection |
| _____ 10. endoplasmic reticulum | j. the "powerhouse"; where cellular respiration occurs |

II. Division of Labor:

1. _____ 2. _____ 3. _____ 4. _____ 5. _____

Two organs: 1. _____ 2. _____

Three organ systems: 1. _____ 2. _____ 3. _____

Four organisms: 1. _____ 2. _____ 3. _____ 4. _____

III. Cell Processes:

1. Molecules move from high to low concentration. 1. _____
2. Water molecules move from high to low concentration. 2. _____
3. Movement of molecules that need energy. 3. _____
4. This type of respiration needs oxygen. 4. _____
5. This type of respiration does NOT use oxygen. 5. _____
6. Respiration **chemical** equation. 6. _____ + _____ -->
_____ + _____ + _____
7. Respiration **word** equation. 7. _____ + _____ →
_____ + _____ + _____
8. Reactants (raw materials) are: 8. _____, _____
9. Products are: 9. _____, _____, _____

10. Photosynthesis **chemical** equation.

10. _____ + _____ -----> _____ + _____

11. Photosynthesis **word** equation.

11. _____ + _____ →
_____ + _____

12. Reactants (raw materials) are:

12. _____, _____

13. Products are:

13. _____, _____

IV. Cell Division:

1. The process where 1 cell divides into 2 cells.

1. _____

2. The new cells are called...

2. _____

3. The process when a nucleus divides into 2 nuclei.

3. _____

4. The phases of cell division are:

4. _____, _____
_____, _____
_____, _____

5. Mitosis begins at

5. _____

6. Mitosis ends at

6. _____

7. Organelle that is found only in animal cells

7. _____

8. The cell part that is only found in plant cells during cell division.

8. _____

9. The part in #8, turns into this plant cell organelle.

9. _____

10. _____

11. _____

12. _____