

Name: _____

Class: _____

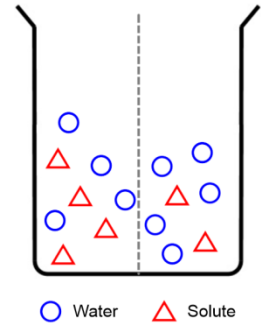
CELLS END OF UNIT REVIEW

Complete each of the following tasks. Check it off once you have done so.

- Review all of the definitions posted on the Cells webpage.
- Review all 42 flashcards found on FlashcardMachine.com.
- Review the proper care and use of a compound light microscope.

Answer each of the questions to follow on a separate piece of paper. Be sure to have your answers complete by the assigned due date, so that you may take part in the take-up of the review.

1. What nine characteristics do all living things share? Highlight or underline one key word for each characteristic.
2. Why is the sun not considered to be alive, why might some people think it is?
3. State the six postulates of the cell theory.
4. Name three unicellular organisms.
5. What are ways unicellular organisms move?
6. Make a sketch of plant cells and animals cells, such that your sketches show some of the differences that we observed with the microscope.
7. What are some differences between plant and animal cells that we did not necessarily see with the microscopes?
8. What is Cellular Respiration? Where does it happen? Write the chemical equation (using words).
9. What is Photosynthesis? Where does it happen? Write the chemical equation (using words).
10. Summarize the steps of mitosis.
11. What are the three levels of permeability?
12. What is the difference between diffusion and active transport?
13. If the solution to the right has a membrane that is only permeable to water, show what it would look like in equilibrium.
14. List four facts about cancer.
15. Name and explain a specialized cell.
16. What is tissue? Name the different types of tissue in both animals and plants.
17. Name and explain an organ system.
18. Name one benefit and one potentially hazardous outcome of humans learning about cells.



The questions above are not the test questions, they are a review of all of the main concepts we have learned in this unit. If you are able to answer these questions, then you are in good shape to be able to complete your test.

This sheet is due: _____