Name:_____ Homeroom:_____

Cell Unit in Review

1. Cars use energy and respond to certain stimuli. Why, then, are cars not considered living things? Give two reasons.

2. Why do organisms need water to survive?

3. How do cells get energy for their life activities?

4. A(n) _____ is a substance that cannot be broken down into simpler substances.

5. What is the purpose of a control in an experiment?

6. T or F: Atoms are made of molecules.

7. The thick fluid inside a cell is called _____.

8. The _____ is the “control center” of a cell.

9. _____ are organelles that make proteins in a cell.

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10. What does it mean to say that a membrane is selectively permeable?

11. Give two ways that plant and animal cells are different.

12. Substances in solution can be moved from low concentration to high only by _____ .

13. _____ is the diffusion of water through a membrane.

14. Who first observed and named cells? _____

15. Essay: Describe in detail the five phases of mitosis.

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