

## 7th Grade Science Vocabulary Study Sheet 4

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| 1. nucleus               | Contains genetic material a cell needs to reproduce and function; directs all activities.  |
| 2. chloroplasts          | Plant cell organelle containing chlorophyll that captures sunlight and turns it into food (photosynthesis).                            |
| 3. mitochondria          | Produces most of the cell's energy; cellular respiration occurs here."Powerhouse of the Cell."   |
| 4. vacuole               | Storage bubbles in cells within cytoplasm.   |
| 5. prokaryote            | Unicellular only. No nucleus or organelles with DNA.   |
| 6. organelle             | A structure in a cell enclosed by membrane that performs a specific function.  |
| 7. eukaryote             | Multicellular only. Genetic material in nucleus. Surrounded by its own membrane.   |
| 8. digestive system      | The structures in the body that work together to transform the energy and materials in food into forms the body can use.               |
| 9. respiratory system    | A system that interacts with the environment and with other body systems to bring oxygen to the body and remove carbon dioxide.        |
| 10. reproductive system  | A system of organs within an organism which work together for the purpose of reproduction.   |
| 11. excretory system     | A group of organs that filter waste from an organism's blood and excrete it in a liquid called urine.                                  |
| 12. cellular respiration | A process in which cells use oxygen to release energy stored in sugars.  |
| 13. peristalsis          | Wavelike contractions of smooth muscles in the organs of the digestive tract; the contractions move food through the digestive system. |
| 14. protista             | Mostly unicellular organisms that have a nucleus (prokaryotic) and do not belong to animal, plant or fungi kingdoms.                   |
| 15. euglena              | Unicellular organism; moves using its flagella; asexual reproduction; have chloroplasts to absorb sunlight.                            |