

# Cell Organelle Quiz

1. The \_\_\_\_\_ is a rigid layer of nonliving materials that surrounds plant, some fungi, and some bacterial cells.
  - a. Cell Membrane
  - b. Cell Wall
  - c. ER
  - d. Mitochondria
2. The \_\_\_\_\_ surrounds all cells and is selectively permeable to substances entering and leaving the cell.
  - a. Cell membrane
  - b. Cell Wall
  - c. ER
  - d. Mitochondria
3. The \_\_\_\_\_ contains DNA and is the control center for the cell.
  - a. Cytoplasm
  - b. Mitochondria
  - c. Ribosomes
  - d. Nucleus
4. The \_\_\_\_\_ is bean shaped and is responsible for energy production inside of eukaryotic cells.
  - a. Ribosomes
  - b. Mitochondria
  - c. ER
  - d. Golgi Body
5. The \_\_\_\_\_ is porous to allow things to enter and leave the nucleus.
  - a. Cell Membrane
  - b. Cell Wall
  - c. Chromatin
  - d. Nuclear Membrane or Nuclear Envelope

6. The \_\_\_\_\_ are attached to the surface of the ER and free floating in the cytoplasm. Their function is to produce proteins.
- Mitochondria
  - Ribosomes
  - Cytoplasm
  - Lysosomes
7. The \_\_\_\_\_ are responsible for taking energy from the sun and making food for a plant and some bacterial cells.
- Mitochondria
  - Ribosomes
  - Chloroplast
  - ER
8. The \_\_\_\_\_ are flattened sacs and tubes that receive proteins and other substances from the ER, package them, and distribute them to other parts of the cell.
- ER
  - Golgi Bodies
  - Mitochondria
  - Lysosomes
9. The \_\_\_\_\_ are small, bubble shaped sacs that act as storage devices for the cell.
- Vacuoles
  - Lysosomes
  - Cell Membrane
  - ER

10. The \_\_\_\_\_ are small, bubble like sacs that contain digestive enzymes used for breaking down food particles and old cell parts inside the cell.
- Lysosomes
  - Vacuoles
  - ER
  - Ribosomes
11. A \_\_\_\_\_ is a cell lacking membrane bound organelles and a nucleus.
- Eukaryote
  - Human Kidney Cell
  - Prokaryote
  - Virus
12. A \_\_\_\_\_ is a cell with a nucleus and membrane bound organelles.
- Eukaryote
  - Prokaryote
  - Human Kidney Cell
  - Virus
13. There are two types of Endoplasmic Reticulum, the Smooth Er and the Rough ER.
- True
  - False
14. A flagella is a whip-like tail used by some cells for movement in their environment.
- True
  - False
15. Which group of cells evolved first (Oldest)?
- Eukaryotes
  - Plants
  - Algae
  - Prokaryotes

