

Grade 8 Science Cells Unit **Comparing Plant and Animal Cells**

Name: _____ **KEY** _____ Class: _____ Date: _____

Organelle	Found in Plant Cell	Found in Animal Cell
Cell Membrane	YES	YES
Cell Wall	YES	NO
Chloroplasts	YES	NO
Chromatin	YES	YES
Cytoplasm	YES	YES
Endoplasmic reticulum	YES	YES
Golgi Apparatus	YES	YES
Lysosomes	YES	YES
Mitochondrion	YES	YES
Nucleus	YES	YES
Nuclear Membrane	YES	YES
Nucleolus	YES	YES
Ribosomes	YES	YES
Vacuole	YES	YES

What organelles do Animals have that Plant cells do not have?

Centrioles and lysosomes are the only main organelles that animal cells have that plant cells do not have.

What cell parts do Plant cells have the Animal cells do not have?

Plant cells have a Cell wall, chloroplasts and a large central vacuole and animal cells do not.

Why do Plant cells have Cell walls and Animal cells do not?

Plant cells do not move to get their food and they need to reach up to the sun to get energy and so they need the cell wall to provide structure and support.

Why do Plant cells have bigger vacuoles than Animal cells?

Plant cells are not able to move and so they have to store water for longer periods and so they have a large central vacuole to do that.