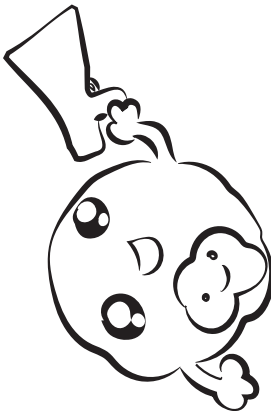


**Micropet** **Cell Organelle**

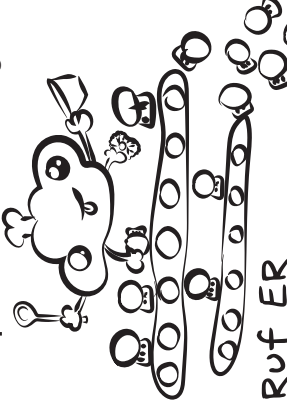


**Nucleus (Nucleus)**  
**Type: Cell Organelle**  
**Found in:** Animal Cells and Plant Cells

I hold and maintain the cells genetic information. I am the boss of a cell because I control all of a cell's functions. The way that I control cellular activity is by letting ribosomes read the information on my DNA. I tell cells how to develop and make sure you grow up healthy and strong.

**Special Ability:** Bossy Boss

**Micropet** **Cell Organelle**



**Ruf ER**  
**Rough Endoplasmic Network**  
**Type: Cell Organelle**  
**Found in:** Animal Cells and Plant Cells

I am basically a protein bubble cupcake factory. I'm a good chef and I make protein bubbles all day long. All the other organelles just love the proteins I make for them. I can make them every flavor. The secret to my recipes lies in all the little black bumps on my assembly line that have a rough appearance. Those are all the ribosomes that I collect to make the different proteins. I just attach them and replace them with new ones when I want to change the flavor I am making.

**Special Ability:** Protein Bubble Cake Bake

**Micropet** **Cell Organelle**




**Smooth ER**  
**Smooth Endoplasmic Network**  
**Type: Cell Organelle**  
**Found in:** Animal Cells and Plant Cells

I am basically the same organelle and Ruf ER, however, I just don't like to collect ribosomes like he does. I am silky smooth because I have no ribosomes on me. I make different stuff too. Since I make lipids (oils) for a cell, I am a very important organelle. I actually make the whole nuclear membrane out of lipids to protect the genetic material from all the water inside the cell.

**Special Ability:** Oil Silk

**Micropet** **Cell Organelle**



**Chromosome (Chromi)**  
**Type: Cell Organelle**  
**Found in:** Animal Cells and Plant Cells

I am important because I have all the answers and information for how to make an organism. The step by step method for how to developed and how to build cellular material is written like a book on my DNA spirals. I am an organized structure in the nucleus of a cell containing all the organism's DNA. DNA contains genetic instructions for growth, development, function and reproduction.

**Special Ability:** Data Wrap

**Micropet** **Cell Organelle**



**Cell Wall**  
**Type: Cell Organelle**  
**Size:** Super Microscopic

I am the strong living structure for a cell. I am like a house for all the organelles. In animal cells I am quite stretchy and in plant cells I am quite strong. The cell membrane guards any holes my side. Membrane only lets materials into the house that the nucleus wants.

**Special Ability:** Strong Wall

**Micropet** **Cell Organelle**



**Cell Membrane**  
**Type: Cell Organelle**  
**Found in:** Animal Cells and Plant Cells

It is easy to overlook me because you can't see me. I am a thin film, like a bubble that coats the cell wall. The cell wall is a good structure but it can't regulate what comes inside the cell like I do. I guard the cell from lots of bad things and unwanted materials. I and I keep what needs to be in the cell inside, like proteins. It is a lot of work to make proteins and I don't let them slip away. I am like a door guard for the cell.

**Special Ability:** Gate keeping

**Micropet** **Cell Organelle**

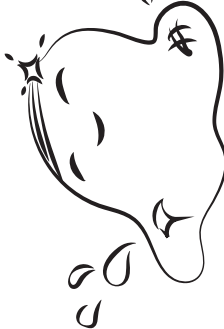


**Cytoplasm (Gooley)**  
**Type: Cell Organelle**  
**Found in:** Plant and animal Cells

I am the gooey clear liquid made mostly of water that fills living cells. My name is Cytoplasm. All the cell organelles float around inside me. I keep them safe, and I keep the cell inflated like a water balloon so cells don't collapse.

**Special Ability:** Sticky stuff

**Micropet** **Cell Organelle**



**Cell Organelle**