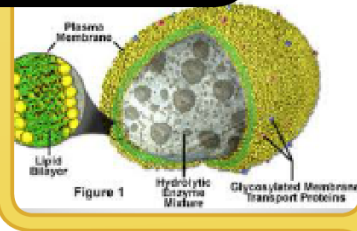


TRADING CARD CREATOR

by: Autumn Marinelli

Lysosomes

Create Your Own



1 Structure

They are vacuoles that are shaped like sacs. The sacs hold alot of important stuff.

2 Fuction

They digest food particles, waste, and bad cell parts. They also break down larger food molecules into smaller molecules.

Lysosomes contain many enzymes. They are also made by the golgi bodies (apparatus). If one of them bursts, the cell could die.

by: Autumn Marinelli

3 Nickname

People often call them the clean up crew because they clean up stuff and break down the bad stuff.

4 Comparison to an Object

You could compare it to a garbage disposal because it breaks down unwanted waste.

5

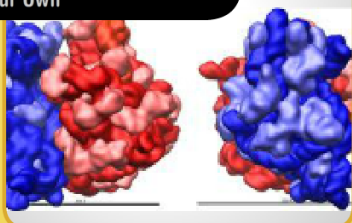
Cut out your trading card along the dotted line, fold in half, and tape the sides together.

TRADING CARD CREATOR

by: Autumn Marinelli

Ribosomes

Create Your Own



1 Structure

They are circular and look like blobs. They are made up of two parts called subunits.

2 Function

This is the site where amino acids are hooked together to make proteins. They are found in the cytoplasm.

Ribosomes are the main source of biological protein synthesis, or creation of cells' proteins.

by: Autumn Marinelli

3 Nickname

Alot of people call them the protein factory because it makes all the proteins for the cell.

4 Comparison to an Object

They are sort of like an architect because they make all the proteins for the cell which gives the cell energy.

5

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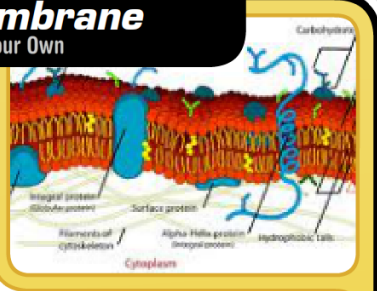
TRADING CARD

CREATOR

by: Autumn Marinelli

Cell Membrane

Create Your Own



1 Structure

It protects the cell kind of like a wall. It also separates the inside of the cell from its exterior environment.

The cell membrane is located on the outside of the cell and makes sure everything stays inside.

2 Function

It controls the the movement of materials inside the cell.

Most organells have membranes too, and each membrane is unique to the organelle.

by: Autumn Marinelli

3 Nickname

Some people call the membrane a gate keeper because it holds everything in and decides what can pass through the cell.

4 Comparison to an Object

A plastic bag because it holds stuff inside the cell like a bag and it protects stuff inside the cell.

5


Cut out your trading card along the dotted line, fold in half, and tape the sides together.

TRADING CARD CREATOR

by: Brooklyn Freeman

Cytoplasm

Create Your Own



1 Structure

It is a clear gel-like material found inside the cell.

2 Function

It protects and holds all of the organelles in place.

by: Brooklyn Freeman

3 Nickname

People call it 'jelly' because it looks like clear jelly.

4 Comparison to an object

It is like a cast, because it protects and supports everything inside it.

5

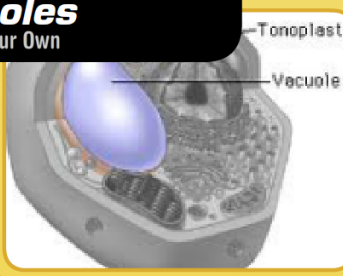
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TRADING CARD CREATOR

by: Brooklyn Freeman

Vacuoles

Create Your Own



1 Structure

It is a sac filled with fluid.

2 Function

They hold materials for the cell, such as water, food, and waste.

by: Brooklyn Freeman

3 Nickname

People call it a 'bubble' because it is a small sac.

Instead of having air inside the vacuole, though, it has food, water, and waste.

4 Comparison to an object

You can compare it to a refrigerator because it holds food, water, and sometimes waste.

(Such as putting in extra food for pets to keep it from spoiling)

5


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TRADING CARD CREATOR

by: Brooklyn Freeman

Golgi Bodies

Create Your Own



1 Function

It transports materials such as proteins all over the cell.

2 Structure

They are sacs or folds in the cell membrane.

by: Brooklyn Freeman

3 Nickname

'Mail man' is a common name they are called because they transport proteins around instead of mail.

4 Comparison to an object

They are like post offices because they transport things all over, and in a post office they would transport mail instead of proteins.

5

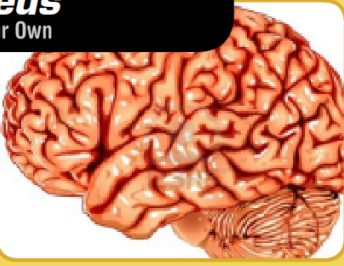
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TRADING CARD CREATOR

by: Zachary Berndt

Nucleus

Create Your Own



1 Structure

The nucleus is spherical, and typically occupies about 10 percent of a eukaryotic cell's volume.

The nucleus contains the DNA of the cell in its interior.

2 Function

It controls the organelles in the cell, as well as the eating, movement and reproduction.

Most cells could not function without a nucleus.

by: Zachary Berndt

3 Nickname

Known as the brain of the cell because it controls almost everything in the cell.

4 Comparison to an object

The nucleus is like a remote in a remote controlled robot, telling the robot what to do.

5

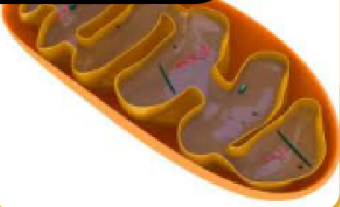
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TRADING CARD CREATOR

by: Zachary Berndt

Mitochondria

Create Your Own



- Structure**

Oval shaped, with zig-zagged lines.

Mitochondria are very small organelles.
- Function**

Breaks down sugar into energy. It is where the cell gets most of its power.

It may also be involved in controlling the concentration of calcium within the cell.
- Nickname**

This could be known as the factory of the cell, because it uses sugar to create energy.
- Comparison To An Object**

The mitochondria is like a reconstructing business, tearing down useless things to create energy.
-

by: Zachary Berndt

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TRADING CARD CREATOR

by: Zachary Berndt

Endoplasmic Reticulum

Create Your Own

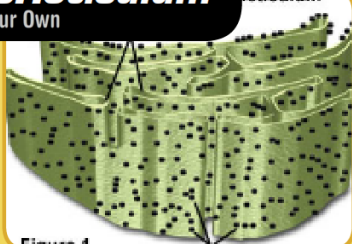


Figure 1

1 Structure

The ER appears to be made of multiple layers. It is very smooth and is made up of many tube like structures.

There are two types, the smooth ER and the rough ER. The ER is only in eukaryotic cells.

2 Function

This part of the cell breaks down substances and packages proteins to release from the cell.

The ER works very closely with the Golgi Apparatus and ribosomes.

by: Zachary Berndt

3 Nickname

Known as the post office, because it packages and sends out materials.

It could be related to a trucking service, because it sends out the needed items for specific companies, and the companies are

4 Comparison To An Object

It could be related to a trucking service, because it sends out the needed items for specific companies, and the companies are-->

the organelles.

5

Cut out your trading card along the dotted line, fold in half, and tape the sides together.