



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Cells** are the building blocks of life. All living things are made of cells. Cells have particular functions or roles in organisms.

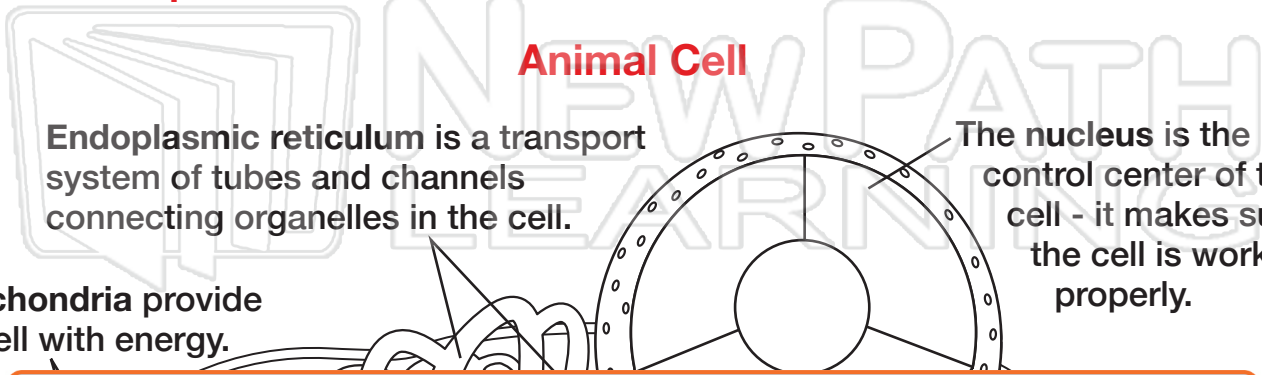
Animal and plant cells have similar and different **organelles**. Both cell types have a **nucleus**, **cytoplasm** and a **cell membrane**. However, plant cells have special parts such as **chloroplasts** and a **cell wall** that animal cells do not have.

## Animal Cell

Endoplasmic reticulum is a transport system of tubes and channels connecting organelles in the cell.

Mitochondria provide the cell with energy.

The nucleus is the control center of the cell - it makes sure the cell is working properly.



## PREVIEW

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**Lysosomes** contains enzymes that break down and recycle materials.

**Centrioles** play a role in cell replication.

The cell membrane guards everything that comes in and out of the cell, protecting the cell.

**Vacuoles** store materials needed by the cell and remove unwanted debris.



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**Cells** are the building blocks of life. All living things are made of cells. Cells have particular functions or roles in organisms.

Animal and plant cells have similar and different **organelles**. Both cell types have a **nucleus**, **cytoplasm** and a **cell membrane**. However, plant cells have special parts such as **chloroplasts** and a **cell wall** that animal cells do not have.

## Plant Cell

The **nucleus** is the control center of the cell - it makes sure the cell is working properly.

**Endoplasmic reticulum** is a transport system of tubes and channels connecting organelles in the cell.

**Vacuoles** store materials & remove debris. They help maintain water balance in plant cells.

**Golgi body** packages & directs materials

made where to go.



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**Mitochondria** provide energy to the cell.

**Cell membrane** that comes in and out of the cell.

**Chloroplasts** are only found in plant cells. They catch the sun's energy and help plants make their own food.

Plant cells have a **cell wall**, which supports and protects the cell. It is located outside the cell membrane.

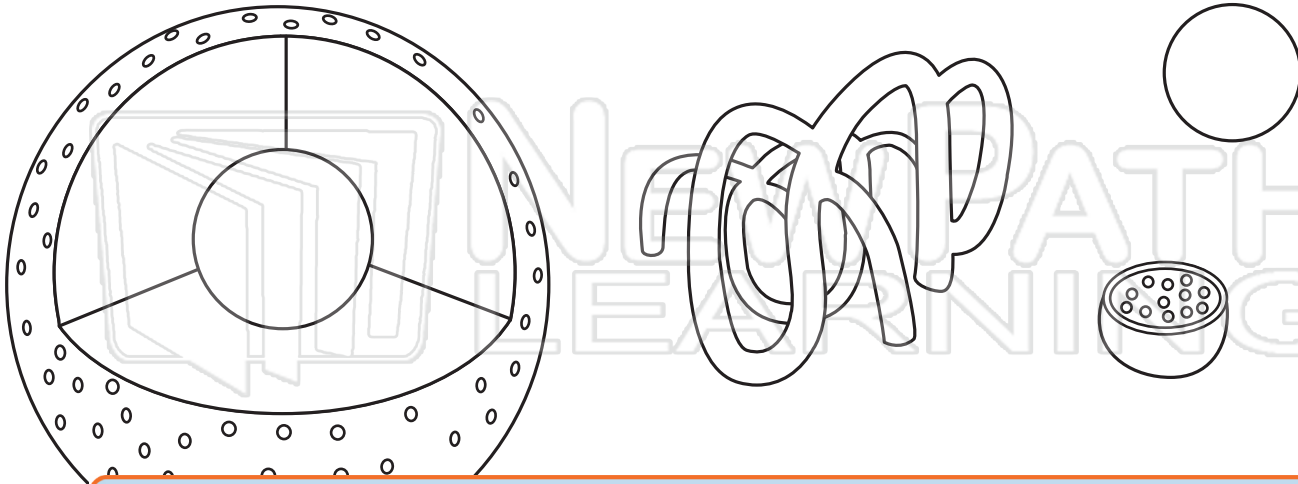


# Cells - Building Blocks of Living Things

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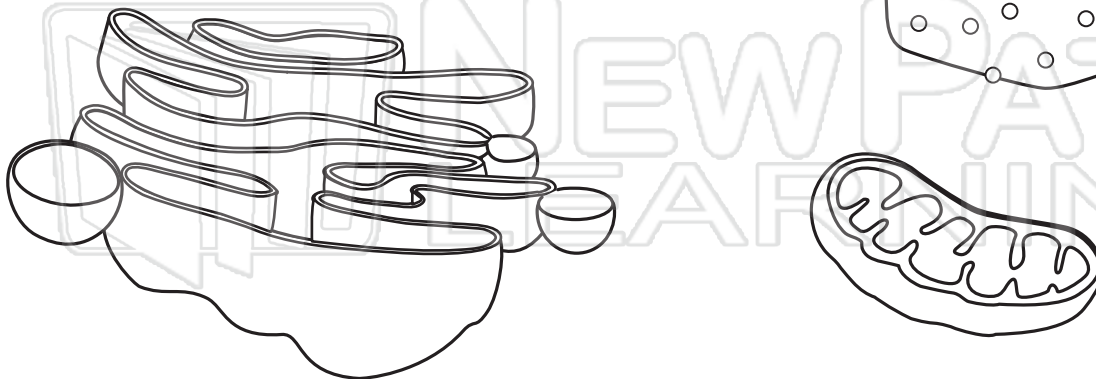
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Color and cut out the organelles. Use the pieces to make an animal cell.



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Add organelles to the animal cell. Name them.



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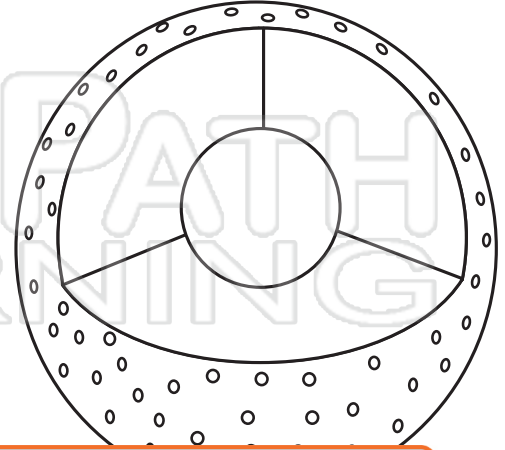
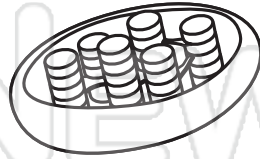
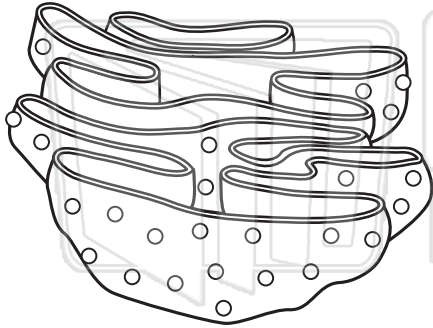


# Cells - Building Blocks of Living Things

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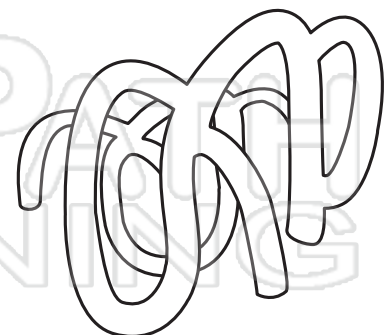
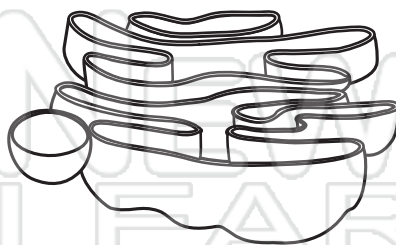
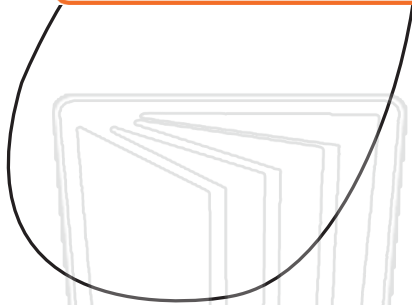
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Color and cut out the organelles. Use the pieces to make a plant cell.



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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Add organelles to the plant cell. Name them.



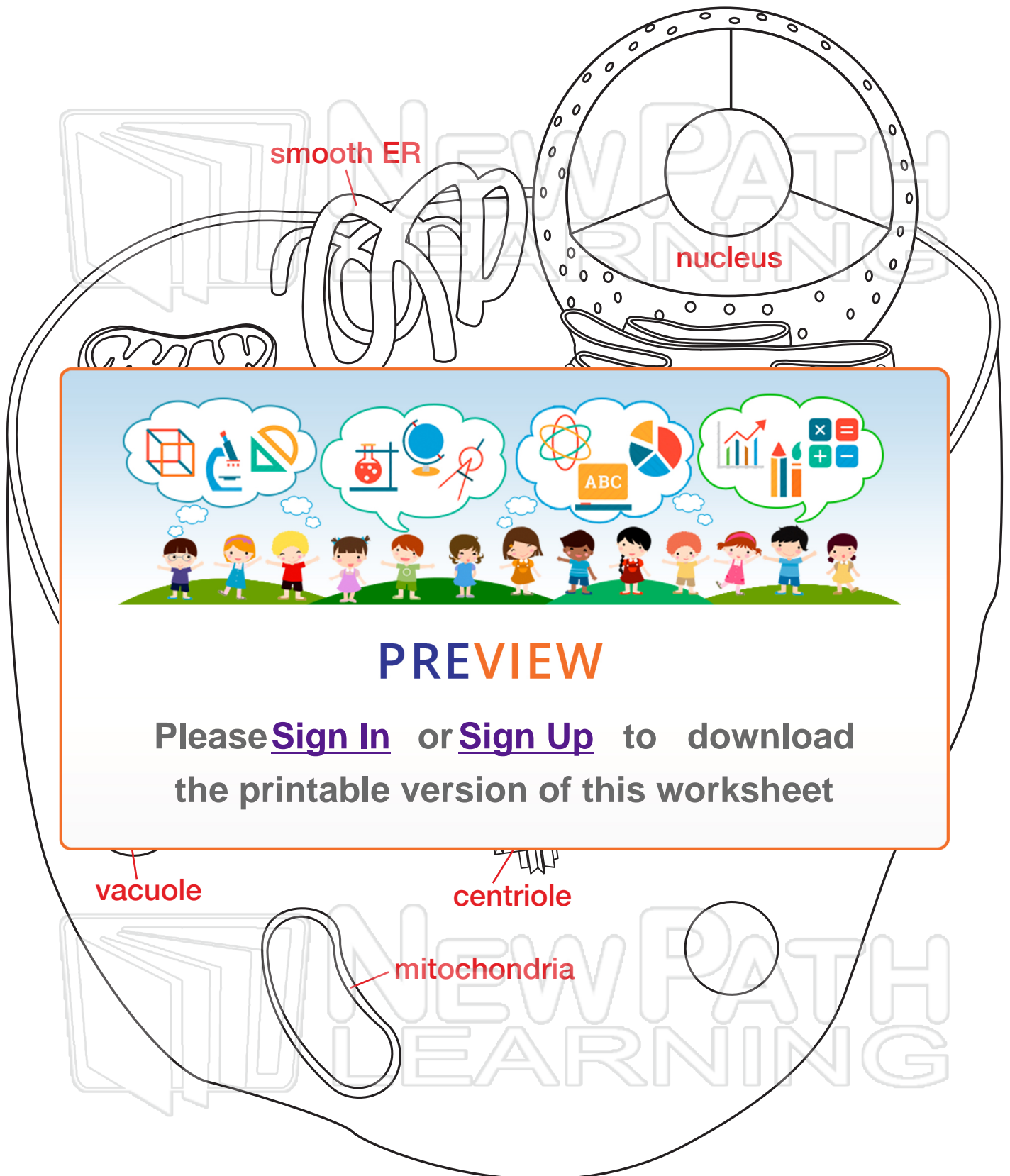
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## Answer Key - example

Add organelles to the animal cell. Name them.





## Answer Key - example

Add organelles to the plant cell. Name them.

