Plant Cell

Use the words below to label the plant cell. Some structures have already been labeled for you.

<table>
<thead>
<tr>
<th>cell wall</th>
<th>mitochondrion</th>
<th>ribosome</th>
</tr>
</thead>
<tbody>
<tr>
<td>chloroplast</td>
<td>nucleus</td>
<td>vacuole</td>
</tr>
</tbody>
</table>

Use the diagram to answer the questions.

1. Which structure is found in a plant cell but not in an animal cell? Circle the correct answer.
   - chloroplast
   - cell membrane
   - ribosome

2. What is the main function of vacuoles?
Animal Cell

Use the words below to label the animal cell. Some structures have already been labeled for you.

- cell membrane
- mitochondrion
- rough endoplasmic reticulum
- Golgi apparatus
- nucleus
- ribosome

Animal Cell

- nucleolus
- smooth endoplasmic reticulum
- centrioles

Use the diagram to answer the questions.

1. What is the area between the nucleus and the cell membrane called?

2. What cell structures are found on the surface of rough endoplasmic reticulum but not on smooth endoplasmic reticulum?
**Organelle Function**

An organelle is a specialized cell structure. Each organelle functions in a different way to help the cell carry out life processes. A mitochondrion, nucleus, endoplasmic reticulum, and Golgi apparatus are pictured and described below. Write the name of the organelle underneath its picture.

<table>
<thead>
<tr>
<th>Organelle</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Mitochondrion" /></td>
<td>controls most cell processes and stores genetic material</td>
</tr>
<tr>
<td><img src="image2" alt="Nucleus" /></td>
<td>makes membrane lipids that will be exported out of the cell</td>
</tr>
<tr>
<td><img src="image3" alt="Endoplasmic Reticulum" /></td>
<td>modifies, sorts, and packages materials from the endoplasmic reticulum</td>
</tr>
<tr>
<td><img src="image4" alt="Golgi Apparatus" /></td>
<td>converts the energy stored in food into a more useable form</td>
</tr>
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Use the table to answer the question.
1. Which of the structures shown above contains a nucleolus?
Plant Cell

Use the words below to label the plant cell. Some structures have already been labeled for you.

- cell wall
- mitochondrion
- chloroplast
- nucleus
- ribosome
- vacuole
- smooth endoplasmic reticulum
- Golgi apparatus
- cell membrane
- rough endoplasmic reticulum
- cell wall

Use the diagram to answer the questions.

1. Which structure is found in a plant cell but not in an animal cell? Circle the correct answer.
   - chloroplast
   - cell membrane
   - ribosome

2. What is the main function of vacuoles?
   - Storage of water, salts, carbohydrates, and proteins.
Animal Cell

Use the words below to label the animal cell. Some structures have already been labeled for you.

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<th>mitochondrion</th>
<th>rough endoplasmic reticulum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Golgi apparatus</td>
<td>nucleus</td>
<td>ribosome</td>
</tr>
</tbody>
</table>

Use the diagram to answer the questions.

1. What is the area between the nucleus and the cell membrane called?
   
   Cytoplasm

2. What cell structures are found on the surface of rough endoplasmic reticulum but not on smooth endoplasmic reticulum?
   
   Ribosomes
Organelle Function

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Use the table to answer the question.
1. Which of the structures shown above contains a nucleolus? 

Nucleus