The Plant Cell to Color

Name:

Color the plant cell drawn below. Use the colors indicated in the box.

Parts of a plant cell:

- **Cell wall** – provides rigid structure and protection; made of cellulose (dark green)
- **Cell membrane** – surrounds the internal cell parts; controls passage of materials in and out of the cell
- **Cytoplasm** – everything inside of the cell membrane except for the nucleus (light green)
- **Nucleus** – control center of the cell; contains DNA (light pink)
- **Nucleolus** – composed of protein and RNA; involved in ribosome production (dark pink)
- **Cytoskeleton** – provides strength and shape to the cell; network of protein fibers (orange)
- **Endoplasmic reticulum (ER)** – passageways that transport proteins within the cell (purple)
- **Mitochondria** – produces energy (rust or red)
- **Chloroplast** – uses the energy of sunlight to produce glucose during photosynthesis (medium green)
- **Vacuole** – vesicle that provides storage of water and other materials; full vacuoles provide support (blue)
- **Lysosome** – vesicle that contains substances that break down materials (navy)
- **Golgi body** – packages and transports proteins from the ER to other parts of the cell (gold)
- **Ribosomes** (the dots) – where proteins are made in the cell
The Plant Cell to Color  

Name: KEY

Color the plant cell drawn below. Use the colors indicated in the box.

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Parts of a plant cell:

- **cell wall** – provides rigid structure and protection; made of cellulose (dark green)
- **cell membrane** – surrounds the internal cell parts; controls passage of materials in and out of the cell
- **cytoplasm** – everything inside of the cell membrane except for the nucleus (light green)
- **nucleus** – control center of the cell; contains DNA (light pink)
- **nucleolus** – composed of protein and RNA; involved in ribosome production (dark pink)
- **cytoskeleton** – provides strength and shape to the cell; network of protein fibers (orange)
- **endoplasmic reticulum (ER)** – passageways that transport proteins within the cell (purple)
- **mitochondria** – produces energy (rust or red)
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- **Golgi body** – packages and transports proteins from the ER to other parts of the cell (gold)
- **ribosomes** (the dots) – where proteins are made in the cell
Label the plant cell drawn below and then give the function of each cell part.

<table>
<thead>
<tr>
<th>Cell Part:</th>
<th>Function of Cell Part:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. nucleus</td>
<td></td>
</tr>
<tr>
<td>15. endoplasmic reticulum</td>
<td></td>
</tr>
<tr>
<td>16. cell wall</td>
<td></td>
</tr>
<tr>
<td>17. ribosome</td>
<td></td>
</tr>
<tr>
<td>18. cytoplasm</td>
<td></td>
</tr>
<tr>
<td>19. nucleolus</td>
<td></td>
</tr>
<tr>
<td>20. Golgi body</td>
<td></td>
</tr>
<tr>
<td>21. cell membrane</td>
<td></td>
</tr>
<tr>
<td>22. cytoskeleton</td>
<td></td>
</tr>
<tr>
<td>23. lysosome</td>
<td></td>
</tr>
<tr>
<td>24. mitochondria</td>
<td></td>
</tr>
<tr>
<td>25. vacuole</td>
<td></td>
</tr>
<tr>
<td>26. chloroplast</td>
<td></td>
</tr>
</tbody>
</table>

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### The Plant Cell Worksheet

**Label the plant cell drawn below and then give the function of each cell part.**

1. **mitochondria**
2. **cytoplasm**
3. **cell membrane**
4. **vacuole**
5. **lysosome**
6. **cytoskeleton**

---

<table>
<thead>
<tr>
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<th>Function of Cell Part:</th>
</tr>
</thead>
<tbody>
<tr>
<td>14. nucleus</td>
<td>control center of the cell; contains DNA</td>
</tr>
<tr>
<td>15. endoplasmic reticulum</td>
<td>ER; passageways that transport proteins within the cell</td>
</tr>
<tr>
<td>16. cell wall</td>
<td>provides rigid structure and protection; made of cellulose</td>
</tr>
<tr>
<td>17. ribosome</td>
<td>where proteins are made in the cell; the dots</td>
</tr>
<tr>
<td>18. cytoplasm</td>
<td>everything inside of the cell membrane except for the nucleus</td>
</tr>
<tr>
<td>19. nucleolus</td>
<td>composed of protein and RNA; involved in ribosome production</td>
</tr>
<tr>
<td>20. Golgi body</td>
<td>packages and transports proteins from the ER to other parts of the cell</td>
</tr>
<tr>
<td>21. cell membrane</td>
<td>surrounds the internal cell parts; controls passage of materials in and out of the cell</td>
</tr>
<tr>
<td>22. cytoskeleton</td>
<td>provides strength and shape to the cell; network of protein fibers</td>
</tr>
<tr>
<td>23. lysosome</td>
<td>vesicle that contains substances that break down materials</td>
</tr>
<tr>
<td>24. mitochondria</td>
<td>produces energy</td>
</tr>
<tr>
<td>25. vacuole</td>
<td>vesicle that provides storage of water and other materials; full vacuoles provide support</td>
</tr>
<tr>
<td>26. chloroplast</td>
<td>uses the energy of sunlight to produce glucose during photosynthesis</td>
</tr>
</tbody>
</table>
The Plant Cell Quiz

Use the word bank to answer the questions and label the drawing below.

A. ribosome  E. nucleus  J. cell wall
B. mitochondria  F. vacuole  K. cytoplasm
C. cell membrane  G. Golgi body  L. lysosome
D. nucleolus  H. chloroplast  M. endoplasmic reticulum
I. cytoskeleton

1. ____ uses the energy of sunlight to produce glucose during photosynthesis
2. ____ provides strength and shape to the cell; network of protein fibers
3. ____ control center of the cell; contains DNA
4. ____ surrounds the internal cell parts; controls the passage of materials in and out
5. ____ vesicle that contains substances that break down materials
6. ____ produces energy
7. ____ provides rigid structure and protection; made of cellulose
8. ____ vesicle that provides storage of water and other materials; if full, provide support
9. ____ packages and transports proteins from the ER to other parts of the cell
10. ____ ER; passageways that transport proteins within the cell
11. ____ everything inside of the cell membrane except for the nucleus
12. ____ composed of protein and RNA; involved in ribosome production
13. ____ where proteins are made in the cells; the dots

Write the letter from the word bank on the correct line.

14. 
15. 
16. 
17. 
18. 
19. 
20. 
21. 
22. 
23. 
24. 
25. 
26.
The Plant Cell Quiz

Use the word bank to answer the questions and label the drawing below.

A. ribosome  E. nucleus  J. cell wall
B. mitochondria  F. vacuole  K. cytoplasm
C. cell membrane  G. Golgi body  L. lysosome
D. nucleolus  H. chloroplast  M. endoplasmic
I. cytoskeleton  reticulum

1. __H__ uses the energy of sunlight to produce glucose during photosynthesis
2. __I__ provides strength and shape to the cell; network of protein fibers
3. __E__ control center of the cell; contains DNA
4. __C__ surrounds the internal cell parts; controls the passage of materials in and out
5. __L__ vesicle that contains substances that break down materials
6. __B__ produces energy
7. __J__ provides rigid structure and protection; made of cellulose
8. __F__ vesicle that provides storage of water and other materials; if full, provide support
9. __G__ packages and transports proteins from the ER to other parts of the cell
10. __M__ ER; passageways that transport proteins within the cell
11. __K__ everything inside of the cell membrane except for the nucleus
12. __D__ composed of protein and RNA; involved in ribosome production
13. __A__ where proteins are made in the cells; the dots

Write the letter from the word bank on the correct line.

14. J
15. B
16. H
17. C
18. F
19. L
20. I

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