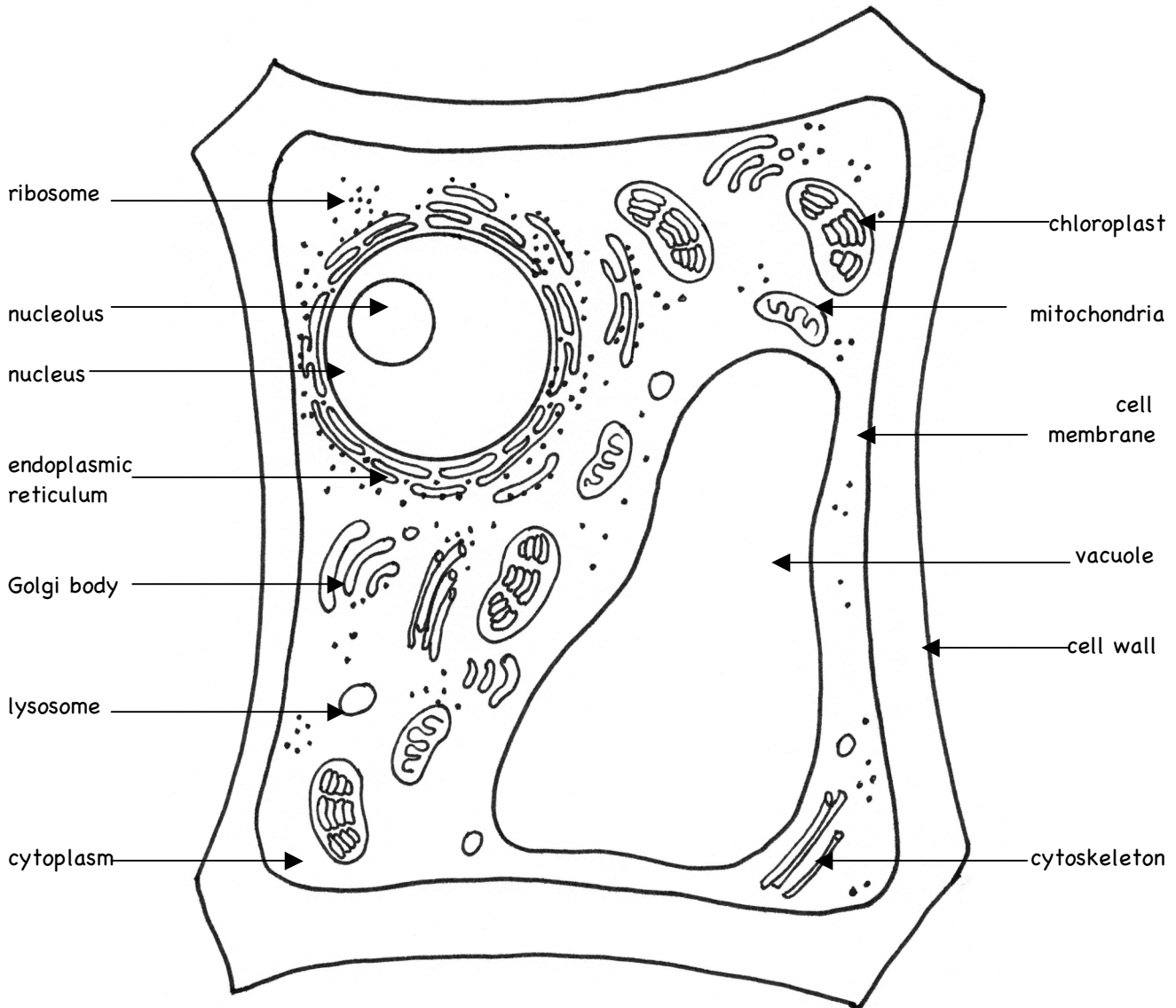


The Plant Cell to Color

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)

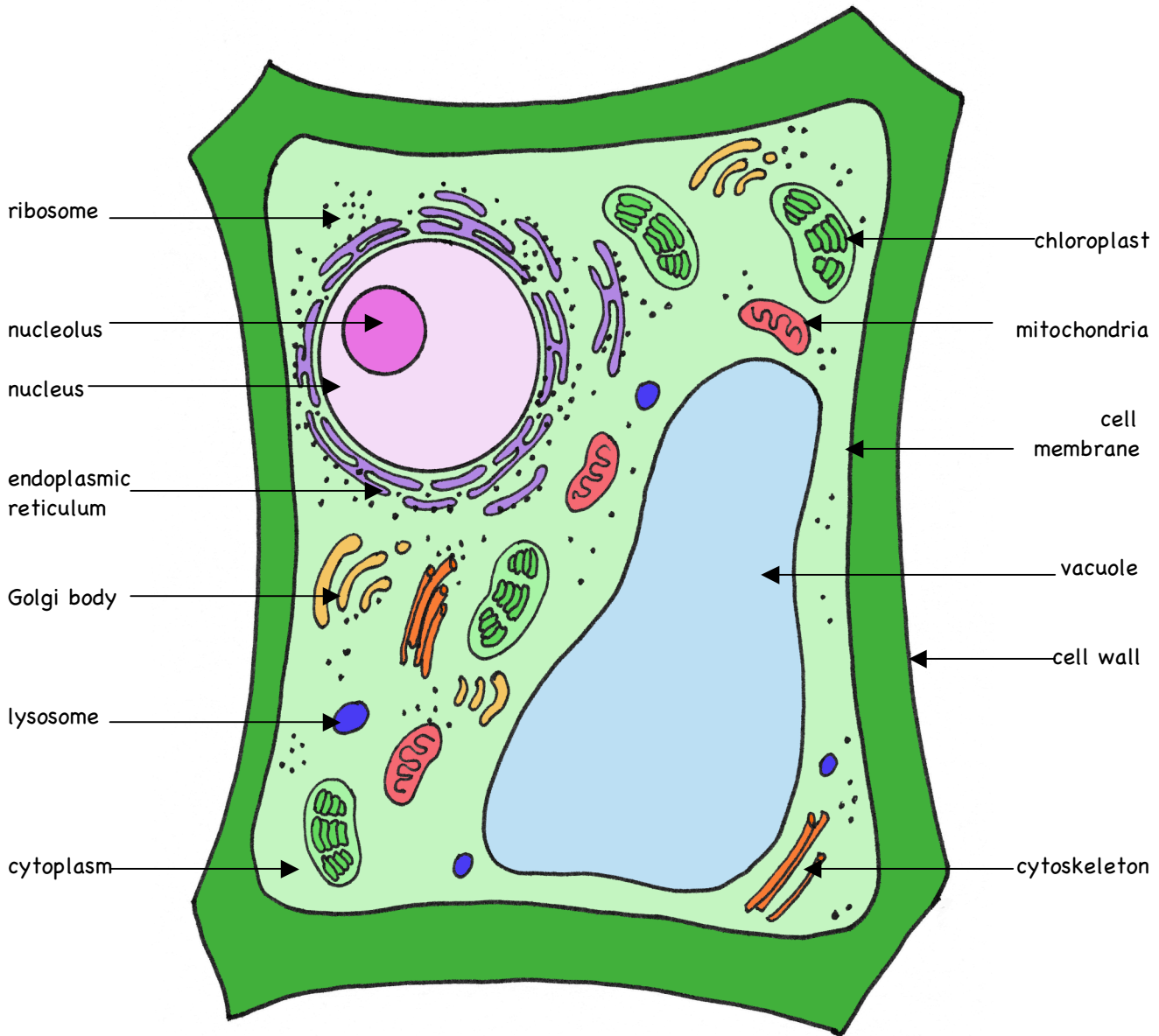
Golgi body - packages and transports proteins from the ER to other parts of the cell (gold)

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.

**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)

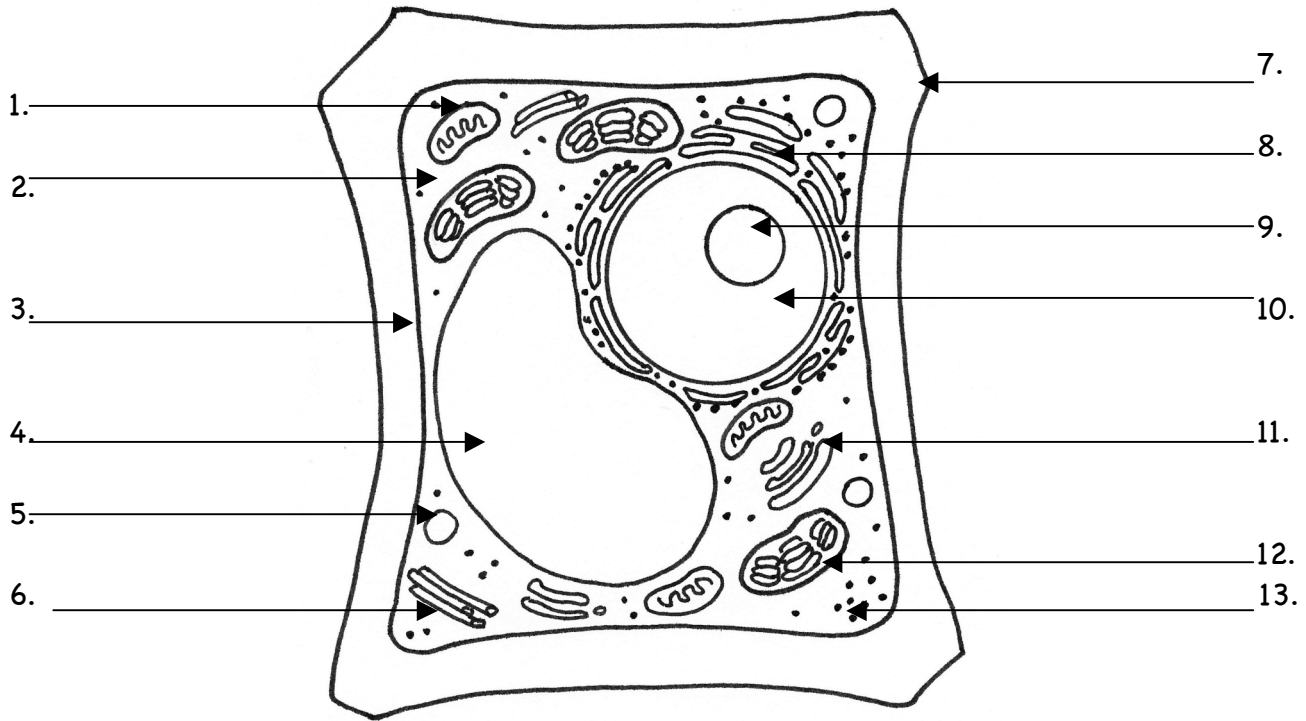
Golgi body - packages and transports proteins from the ER to other parts of the cell (gold)

ribosomes (the dots) - where proteins are made in the cell

The Plant Cell Worksheet

Name: _____

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

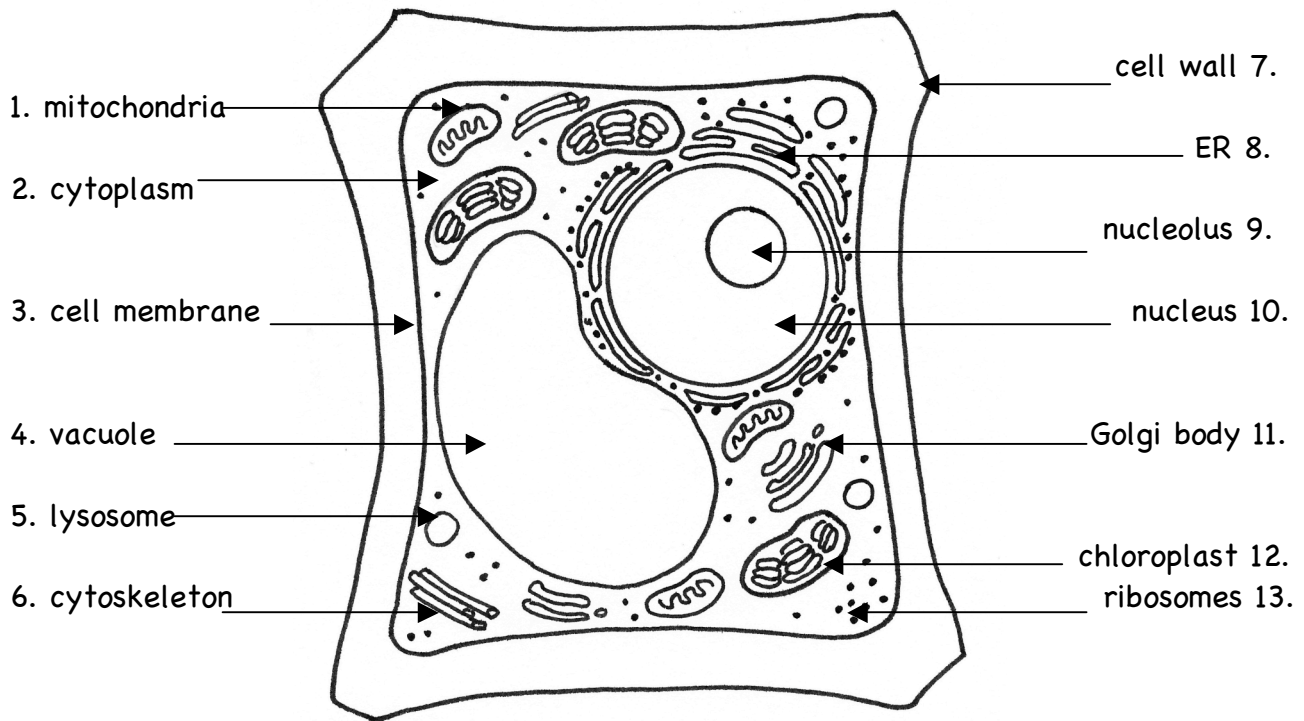


<i>Cell Part:</i>	<i>Function of Cell Part:</i>
14. nucleus	
15. endoplasmic reticulum	
16. cell wall	
17. ribosome	
18. cytoplasm	
19. nucleolus	
20. Golgi body	
21. cell membrane	
22. cytoskeleton	
23. lysosome	
24. mitochondria	
25. vacuole	
26. chloroplast	

The Plant Cell Worksheet

Name: KEY

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



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

The Plant Cell Quiz

Name: _____

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

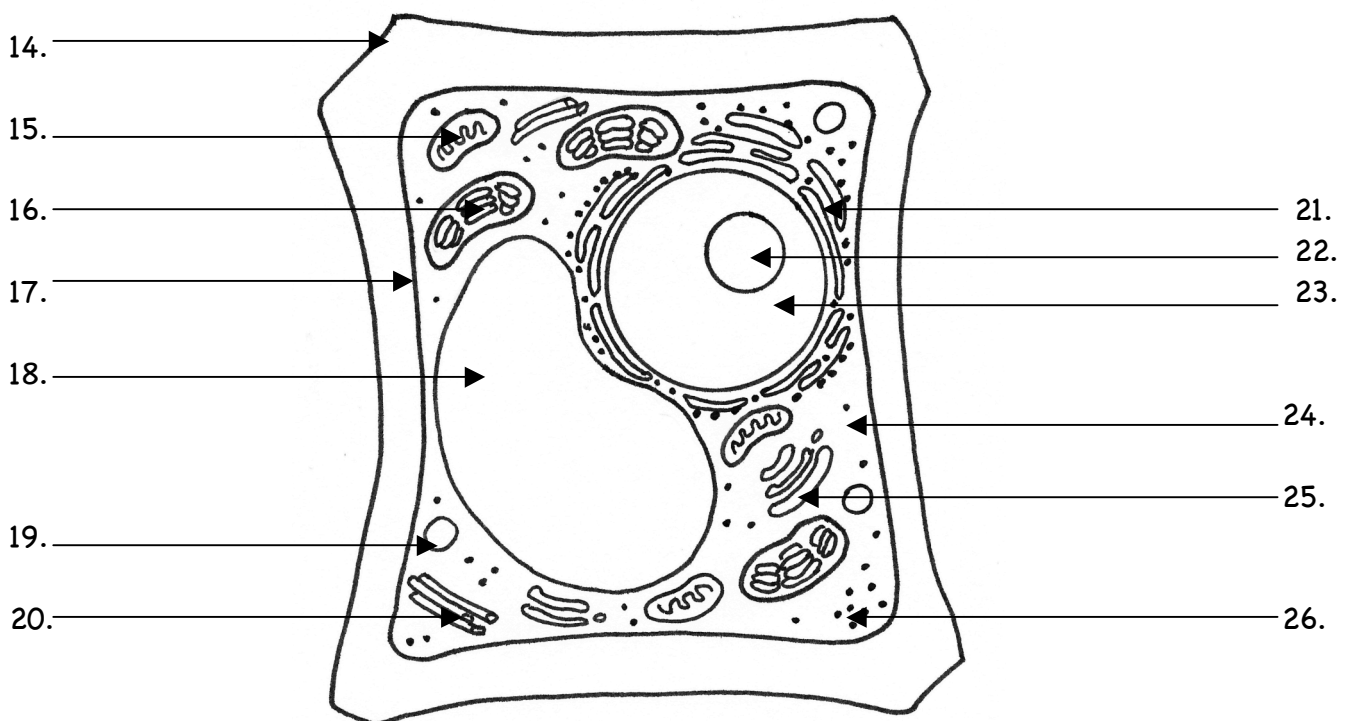
M. endoplasmic

I. cytoskeleton

reticulum

1. ____ 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.



The Plant Cell Quiz

Name: KEY

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. 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.

