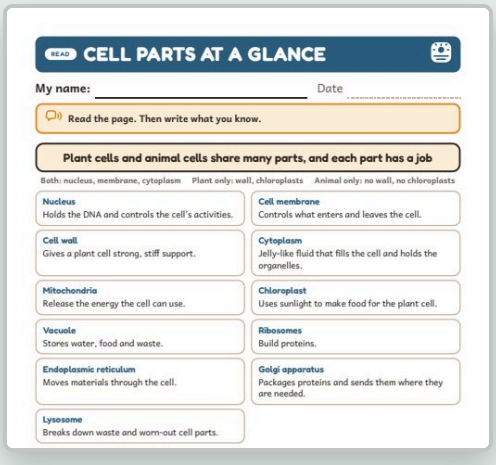
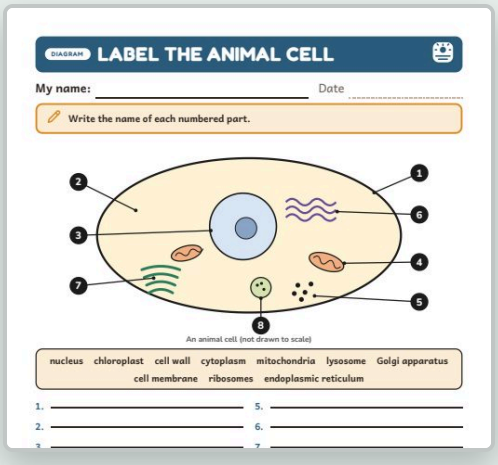
6TH–8TH GRADE · LIFE SCIENCE

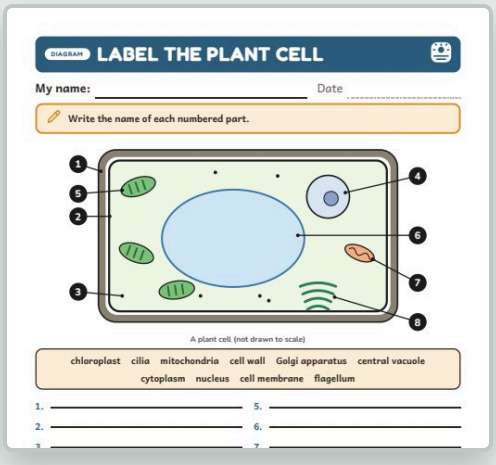
DIAGRAMS

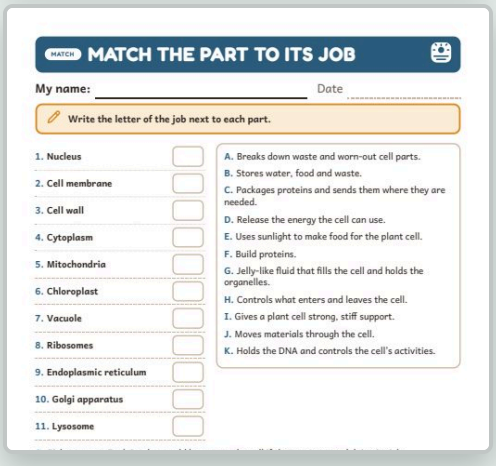
PLANT AND ANIMAL CELLS WORKSHEETS

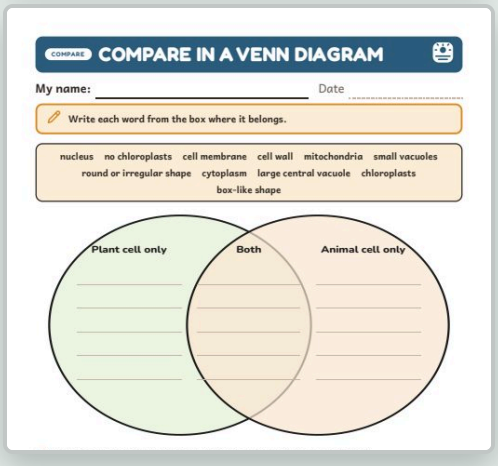
Label a plant cell and an animal cell, match each part to its job, fill in the paragraph, complete a Venn diagram, sort by cutting and pasting, and write short answers. Answer keys, a tracker and a family page. Print, or type your answers. PDF.

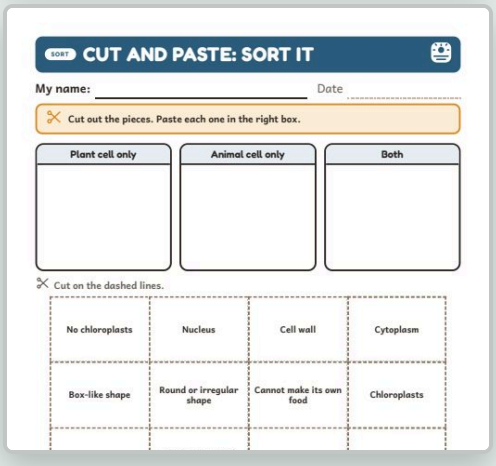












26 Pages | **12 Page Types** | **90 Items** | **2 Answer Keys**

BRIGHT PATH SPED

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PREVIEW

READ CELL PARTS AT A GLANCE

My name: _____ Date .....

Read the page. Then write what you know.

Plant cells and animal cells share many parts, and each part has a job

Both: nucleus, membrane, cytoplasm Plant only: wall, chloroplasts Animal only: no wall, no chloroplasts

Nucleus
Holds the DNA and controls the cell's activities.

Cell membrane
Controls what enters and leaves the cell.

Cell wall
Gives a plant cell strong, stiff support.

Cytoplasm
Jelly-like fluid that fills the cell and holds the organelles.

Mitochondria
Release the energy the cell can use.

Chloroplast
Uses sunlight to make food for the plant cell.

Vacuole
Stores water, food and waste.

Ribosomes
Build proteins.

Endoplasmic reticulum
Moves materials through the cell.

Golgi apparatus
Packages proteins and sends them where they are needed.

Lysosome
Breaks down waste and worn-out cell parts.

Your turn. Write what you know.

A plant cell and an animal cell are alike because

One question I still have about cells

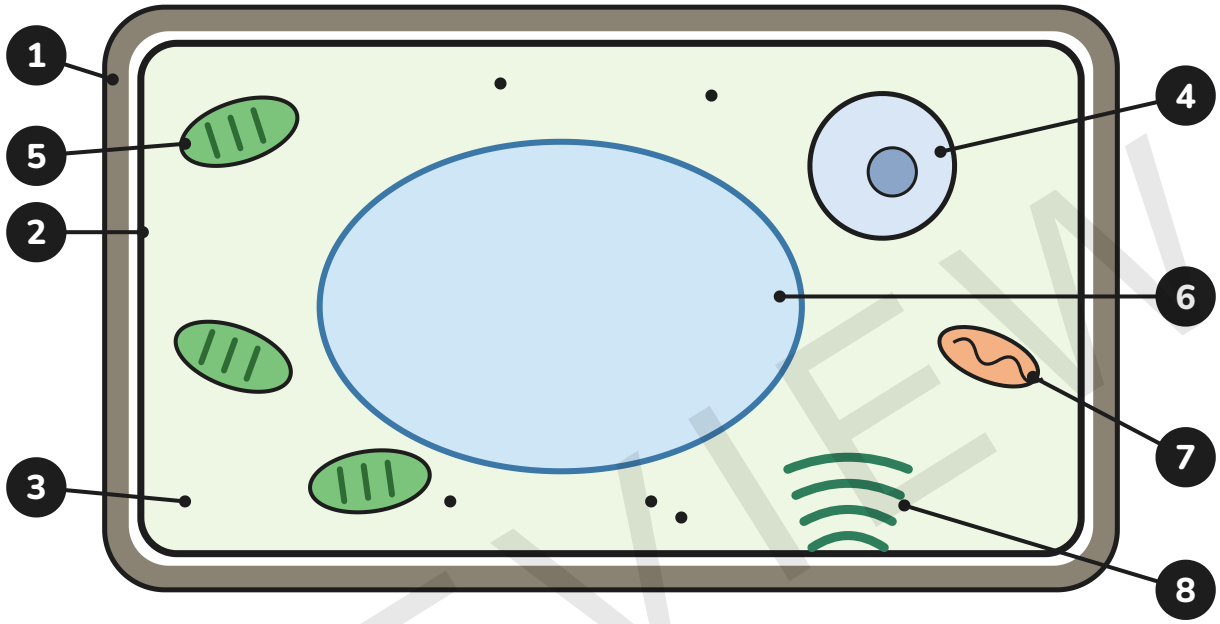
PREVIEW

DIAGRAM

LABEL THE PLANT CELL

My name: _____ Date .....

Write the name of each numbered part.



A plant cell (not drawn to scale)

chloroplast **cilia** **mitochondria** **cell wall** **Golgi apparatus** **central vacuole** **cytoplasm** **nucleus** **cell membrane** **flagellum**

1. _____ 5. _____
2. _____ 6. _____
3. _____ 7. _____
4. _____ 8. _____

A. Which part uses sunlight to make food?

_____

B. Describe what the large central vacuole does.

PREVIEW

WORDS FILL IN THE BLANKS

My name: _____ Date .....

Pick a word from the box for each blank.

cell membrane **lysosomes** **ribosomes** **Golgi apparatus** **stomata** **chloroplasts** **cytoplasm** **cell wall** **nucleus** **cilia** **mitochondria** **vacuole**

Every cell has a (1) _____ that holds the DNA. The (2) _____ controls what enters and leaves the cell, and the jelly-like (3) _____ fills the space inside. The (4) _____ release energy, and the (5) _____ build proteins. Only a plant cell has a stiff (6) _____ and green (7) _____ that use sunlight to make food. A plant cell also has one large central (8) _____ that stores water. In both kinds of cells, the (9) _____ packages proteins, and in animal cells the (10) _____ break down waste.

A. Pick one word you used in the paragraph. Write what it means in your own words.

B. Two words in the box are not used. Write them here.

_____ _____

PREVIEW

CHOOSE MULTIPLE CHOICE

My name: _____ Date .....

Read each question. Write the letter of the best answer.

1. Which part holds the cell's DNA? LETTER ☐

A. Vacuole **B.** Nucleus
C. Cell wall **D.** Mitochondria

2. Which organelle uses sunlight to make food? LETTER ☐

A. Ribosome **B.** Mitochondria
C. Chloroplast **D.** Nucleus

3. Which part is found in BOTH plant cells and animal cells? LETTER ☐

A. Large central vacuole **B.** Cell wall
C. Mitochondria **D.** Chloroplast

4. What does the cell membrane do? LETTER ☐

A. Builds proteins **B.** Stores water
C. Releases energy **D.** Controls what enters and leaves the cell

5. What do ribosomes do? LETTER ☐

A. Store water **B.** Hold the DNA
C. Use sunlight to make food **D.** Build proteins

6. Which part is a large water-storing space in a plant cell? LETTER ☐

A. Nucleus **B.** Ribosome
C. Central vacuole **D.** Lysosome

7. Which part gives a plant cell its strong, stiff shape? LETTER ☐

A. Cell membrane **B.** Chloroplast
C. Cell wall **D.** Cytoplasm

8. Which statement about animal cells is true? LETTER ☐

A. They have no cell wall and no chloroplasts **B.** They have no cell membrane
C. They have a cell wall but no nucleus **D.** They have chloroplasts but no mitochondria

PREVIEW

CIRCLE CIRCLE THE TRUE SENTENCE

My name: _____ Date .....

Circle the true sentence in each pair. Write its letter.

1. Which sentence is true?

A. An animal cell has a cell wall.

B. A plant cell has a cell wall.

A OR B ☐

2. Which sentence is true?

A. Ribosomes release energy for the cell.

B. Mitochondria release energy for the cell.

A OR B ☐

3. Which sentence is true?

A. Chloroplasts are found in plant cells.

B. Chloroplasts are found in animal cells.

A OR B ☐

4. Which sentence is true?

A. The nucleus controls the cell's activities.

B. The vacuole controls the cell's activities.

A OR B ☐

5. Which sentence is true?

A. Lysosomes use sunlight to make food.

B. Lysosomes break down waste.

A OR B ☐

6. Which sentence is true?

A. The cell membrane controls what enters and leaves the cell.

B. The cell membrane builds proteins.

A OR B ☐

PREVIEW

WRITE SHORT ANSWERS

My name: _____ Date .....

Answer each question in complete sentences.

1. What is the job of the nucleus?

2. What does the cell membrane do?

3. What do chloroplasts do, and which kind of cell has them?

4. What is the job of the mitochondria?

5. Name two parts that a plant cell has and an animal cell does not.

PREVIEW

ANSWER KEY KEY: PAGES 5–8

Label the Animal Cell, Label the Plant Cell, Match the Part and Fill In the Blanks.

Label the Animal Cell page 5

NO.	PART
1	cell membrane
2	cytoplasm
3	nucleus
4	mitochondria
5	ribosomes
6	endoplasmic reticulum
7	Golgi apparatus
8	lysosome

Question A: nucleus. Question B: It controls what enters and leaves the cell.

Label the Plant Cell page 6

NO.	PART
1	cell wall
2	cell membrane
3	cytoplasm
4	nucleus
5	chloroplast
6	central vacuole
7	mitochondria
8	Golgi apparatus

Question A: chloroplast. Question B: It stores water (and food and waste) and takes up a lot of room in a plant cell.

Match the Part page 7

PART	LETTER
Nucleus	K
Cell membrane	H
Cell wall	I
Cytoplasm	G
Mitochondria	D
Chloroplast	E
Vacuole	B
Ribosomes	F
Endoplasmic reticulum	J
Golgi apparatus	C
Lysosome	A

Fill In the Blanks page 8

NO.	WORD
1	nucleus
2	cell membrane
3	cytoplasm
4	mitochondria
5	ribosomes
6	cell wall
7	chloroplasts
8	vacuole
9	Golgi apparatus
10	lysosomes

Question B, unused words: stomata and cilia.

PREVIEW

TRACKER

PLANT AND ANIMAL CELLS TRACKER

STUDENT

TEACHER

UNIT DATES

PAGE	PAGE TYPE	ITEMS	RIGHT	DATE	NOTES
5	Label the Animal Cell	8			
6	Label the Plant Cell	8			
7	Match the Part to Its Job	11			
8	Fill In the Blanks	10			
9	Compare in a Venn Diagram	11			
10	Multiple Choice	8			
11	True or False? Fix It	8			
12	Circle the True Sentence	6			
13	Cut and Paste: Sort It	12			
14	Short Answers	5			
15	Explain It	3			

PREVIEW

How to fill this in

Write how many items the student got right and the date. A written answer counts as one item when it makes every point in the key (pages 16 and 17). A blank means not tried yet, never wrong. There are 90 items on the 11 pages above; the reference page (4) is not scored. Filled example: page 22.

STANDARD OR UNIT GOAL (YOUR OWN WORDING)

TEAM NOTE

PROGRESS NOTE

STUDENT | TEAM MEMBER | DATE

Use this page between team meetings to hand off what changed without writing a note from scratch. Everything below is observable, with a blank for the number or the wording your team already uses.

PAGE TYPES COVERED SINCE THE LAST NOTE

PAGE TYPE	COVERED SINCE LAST NOTE (Y/N)	ITEMS RIGHT	STILL BLANK
Label the Animal Cell			
Label the Plant Cell			
Match the Part to Its Job			
Fill In the Blanks			
Compare in a Venn Diagram			
Multiple Choice			
True or False? Fix It			
Circle the True Sentence			
Cut and Paste: Sort It			
Short Answers			
Explain It			

What I saw (observable, not a conclusion)

- Labeled ____ of ____ parts of the cell without a prompt.
- Used the words nucleus / cell wall / chloroplast correctly in writing on ____ (page).
- Wrote ____ complete sentences on the explanation page on ____ (date).
- Needed a model / a word bank / a sentence starter on ____ of ____ items.

Next step

- Next page type: ____, because ____ (what you saw).
- What to try at home or in another class: ____.
- What to keep doing because it is working: ____.
- Anything for the team meeting to decide: ____ (this page records what happened, never a label or a plan).

SUMMARY, IN ONE OR TWO SENTENCES, FOR WHOEVER READS THIS NEXT

A filled-in line, for reference

“Filled in 9 of 10 blanks on Fill In the Blanks on 10/15. Next step: Match the Part to Its Job, saying each job aloud before writing.” That is the level of detail this page is built for. It matches the filled example on page 22.

PREVIEW

EXAMPLE JORDAN'S TRACKER

Jordan T. is invented; nothing on this page describes a real student. The blank tracker is on page 18.

STUDENT	TEACHER	UNIT DATES
Jordan T. (an invented student)	**Ms. Reyes (invented)**	**October**

PAGE	PAGE TYPE	ITEMS	RIGHT	DATE	NOTES
5	Label the Animal Cell	8	6	10/12	Swapped two parts of the cell
6	Label the Plant Cell	8	8	10/13	–
7	Match the Part to Its Job	11	9	10/14	Mixed up two jobs
8	Fill In the Blanks	10	9	10/15	Used a spare word
9	Compare in a Venn Diagram	11	–	–	–
10	Multiple Choice	8	7	10/16	Missed number 7
11	True or False? Fix It	8	8	10/19	–
12	Circle the True Sentence	6	–	–	–
13	Cut and Paste: Sort It	12	–	–	–
14	Short Answers	5	–	–	–
15	Explain It	3	–	–	–

PREVIEW

How to read it

Jordan T. has done **6 of 11** scored pages and got **47 of 53** items right. **2** pages were all right and **6** items were missed across 4 pages. Every number here comes from the table above.

The family note this tracker would produce

"This month Jordan finished 6 pages and got 47 of 53 items right. The next thing to practice is naming the parts of the cell and matching each part to its job." — every number in it is a row of the table above.

What the table points to

4 pages carry a note and each one is short of full. Pages left blank (5 of them) are not tried yet, never wrong. The two writing pages, Short Answers and Explain It, are among them, so they are the next step.

ORGANIZER

BINDER COVER

Slide this into the front of a binder. The divider tabs and a spine label to cut out are on the next page.

SCIENCE · GRADES 6-8

PLANT AND ANIMAL CELLS

Plant cells and animal cells share many parts, and each part has a job

TEACHER

CLASS OR STUDENT

PREVIEW