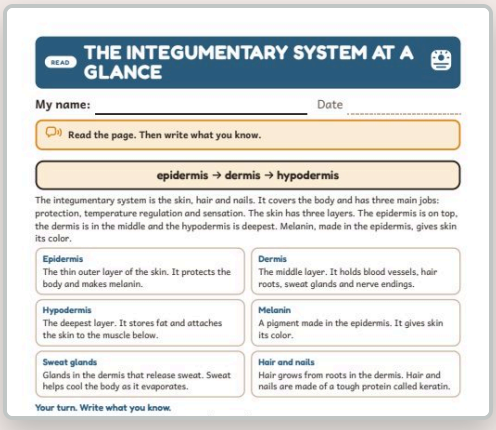
6TH–8TH GRADE · SCIENCE

SKIN LAYER BY LAYER

INTEGUMENTARY SYSTEM WORKSHEETS

Label the skin diagram, fill in the layers, match clues to terms, read touch-test data and draw the graph, sort epidermis and dermis, and write short answers. Answer keys, a tracker and a family page. Print, or type your answers. PDF.


READ THE INTEGUMENTARY SYSTEM AT A GLANCE

My name: _____ Date _____

Read the page. Then write what you know.

epidermis → dermis → hypodermis

The integumentary system is the skin, hair and nails. It covers the body and has three main jobs: protection, temperature regulation and sensation. The skin has three layers. The epidermis is on top, the dermis is in the middle and the hypodermis is deepest. Melanin, made in the epidermis, gives skin its color.

Epidermis The thin outer layer of the skin. It protects the body and makes melanin.

Dermis The middle layer. It holds blood vessels, hair roots, sweat glands and nerve endings.

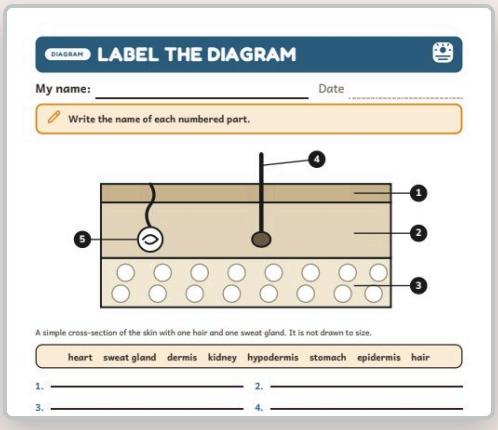
Hypodermis The deepest layer. It stores fat and attaches the skin to the muscle below.

Melanin A pigment made in the epidermis. It gives skin its color.

Sweat glands Glands in the dermis that release sweat. Sweat helps cool the body as it evaporates.

Hair and nails Hair grows from roots in the dermis. Hair and nails are made of a tough protein called keratin.

Your turn. Write what you know.


DIAGRAM LABEL THE DIAGRAM

My name: _____ Date _____

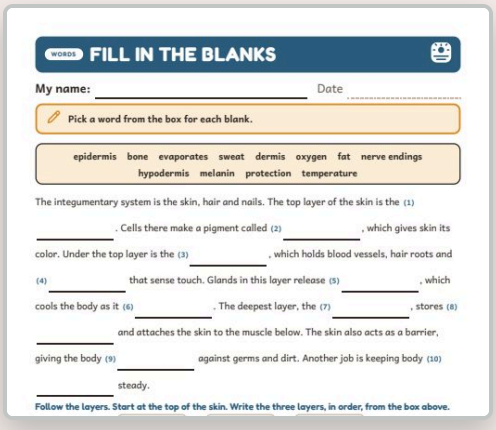
Write the name of each numbered part.

A simple cross-section of the skin with one hair and one sweat gland. It is not drawn to size.

heart sweat gland dermis kidney hypodermis stomach epidermis hair

1. _____ 2. _____

3. _____ 4. _____


WORDS FILL IN THE BLANKS

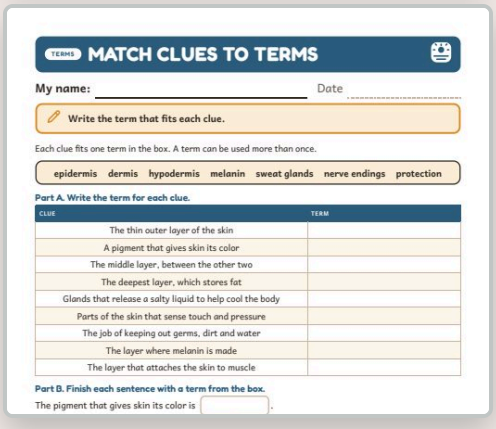
My name: _____ Date _____

Pick a word from the box for each blank.

epidermis bone evaporates sweat dermis oxygen fat nerve endings hypodermis melanin protection temperature

The integumentary system is the skin, hair and nails. The top layer of the skin is the (1) _____. Cells there make a pigment called (2) _____, which gives skin its color. Under the top layer is the (3) _____, which holds blood vessels, hair roots and (4) _____ that sense touch. Glands in this layer release (5) _____, which cools the body as it (6) _____. The deepest layer, the (7) _____, stores (8) _____ and attaches the skin to the muscle below. The skin also acts as a barrier, giving the body (9) _____ against germs and dirt. Another job is keeping body (10) _____ steady.

Follow the layers. Start at the top of the skin. Write the three layers, in order, from the box above.


TERMS MATCH CLUES TO TERMS

My name: _____ Date _____

Write the term that fits each clue.

Each clue fits one term in the box. A term can be used more than once.

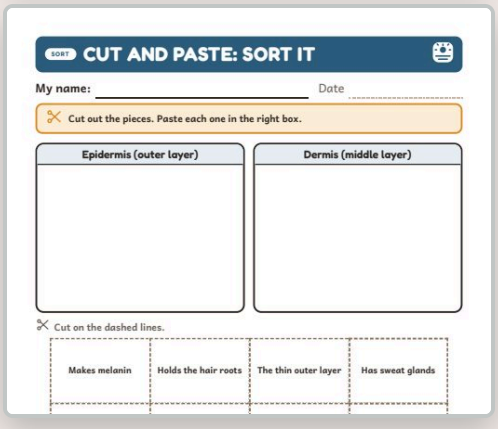
epidermis dermis hypodermis melanin sweat glands nerve endings protection

Part A. Write the term for each clue.

CLUE	TERM
The thin outer layer of the skin	
A pigment that gives skin its color	
The middle layer, between the other two	
The deepest layer, which stores fat	
Glands that release a salty liquid to help cool the body	
Parts of the skin that sense touch and pressure	
The job of keeping out germs, dirt and water	
The layer where melanin is made	
The layer that attaches the skin to muscle	

Part B. Finish each sentence with a term from the box.

The pigment that gives skin its color is _____.


SORT CUT AND PASTE: SORT IT

My name: _____ Date _____

Cut out the pieces. Paste each one in the right box.

Epidermis (outer layer)	Dermis (middle layer)

Cut on the dashed lines.

Makes melanin | Holds the hair roots | The thin outer layer | Has sweat glands


TRACKER INTEGUMENTARY SYSTEM TRACKER

STUDENT _____ TEACHER _____ UNIT DATES _____

PAGE	PAGE TYPE	ITEMS	RIGHT	DATE	NOTES
5	Label the Diagram	5			
6	Fill In the Blanks	13			
7	Match Clues to Terms	14			
8	Multiple Choice	8			
9	True or False? Fix It	8			
10	Read the Data, Draw the Graph	6			
11	Follow the Sweat	6			
12	Cut and Paste: Sort It	8			
13	Short Answers	5			

25 Pages | **11 Page Types** | **76 Items** | **2 Answer Keys**

BRIGHT PATH SPED

START HERE

QUICK START

One complete kit for a integumentary system unit in grades 6-8. Students read a reference page, label a diagram, fill in a paragraph, match clues to terms, answer questions, read touch-test data and draw a graph, follow the sweat and write short answers — on pages with room to work.

THREE STEPS

1. **Teach or review with the reference page**
   Page 4 has the epidermis, dermis, hypodermis, melanin, sweat glands, and hair and nails, and a place for the student to write what they know. Read it together or hand it out as the first page.

2. **Hand over a page**
   Every student page opens with a name line and one short instruction. Nothing on it is written for you, so the student can start. Short answers have three or more lines and the explanations have five or six, so the page is the whole workspace.

3. **Check it, record it, send it home**
   The answer keys are pages 15 and 16. Record each page on the tracker (page 17), roll a group up on page 18, and send the family page (20). A filled example is on page 21.

WHICH PAGE, WHEN

WHEN…	USE…
Introducing or reviewing the unit	At a Glance, page 4 · Label the Diagram, page 5
Checking the vocabulary	Fill In the Blanks, page 6 · Multiple Choice, page 8
Connecting clues to terms	Match Clues to Terms, page 7
Quick check or exit slip	True or False? Fix It, page 9
Reading data and graphing	Read the Data, Draw the Graph, page 10
Hands-on sorting	Cut and Paste, page 12
Writing about science	Follow the Sweat, page 11 · Short Answers, page 13 · Explain It, page 14

Everything inside (25 pages)

- **11 student pages** in 11 page types: a reference page, a skin diagram to label, fill in, match clues to terms, multiple choice, true or false, data and graph, flow chart, cut and paste and two short-answer pages
- **76 scored items** on 10 pages
- **8 cut-and-paste pieces** on one sort mat
- **2 answer keys, 1 tracker, 1 class grid**, 1 team note, 1 family page, 1 filled example, 1 phrase bank, 1 binder cover and 6 divider tabs

Print or type

Every page prints clean in black and white. The name line, answer boxes, blanks and writing lines are type-in fields in any PDF reader: click one, type, then save. This is a fillable PDF, not a slideshow or a word-processor file. The graph and the cut-and-paste sort are for pencil and scissors.

READ

THE INTEGUMENTARY SYSTEM AT A GLANCE

My name: _____ Date .....

Read the page. Then write what you know.

epidermis → dermis → hypodermis

The integumentary system is the skin, hair and nails. It covers the body and has three main jobs: protection, temperature regulation and sensation. The skin has three layers. The epidermis is on top, the dermis is in the middle and the hypodermis is deepest. Melanin, made in the epidermis, gives skin its color.

Epidermis
The thin outer layer of the skin. It protects the body and makes melanin.

Dermis
The middle layer. It holds blood vessels, hair roots, sweat glands and nerve endings.

Hypodermis
The deepest layer. It stores fat and attaches the skin to the muscle below.

Melanin
A pigment made in the epidermis. It gives skin its color.

Sweat glands
Glands in the dermis that release sweat. Sweat helps cool the body as it evaporates.

Hair and nails
Hair grows from roots in the dermis. Hair and nails are made of a tough protein called keratin.

Your turn. Write what you know.

The integumentary system is the group of organs that

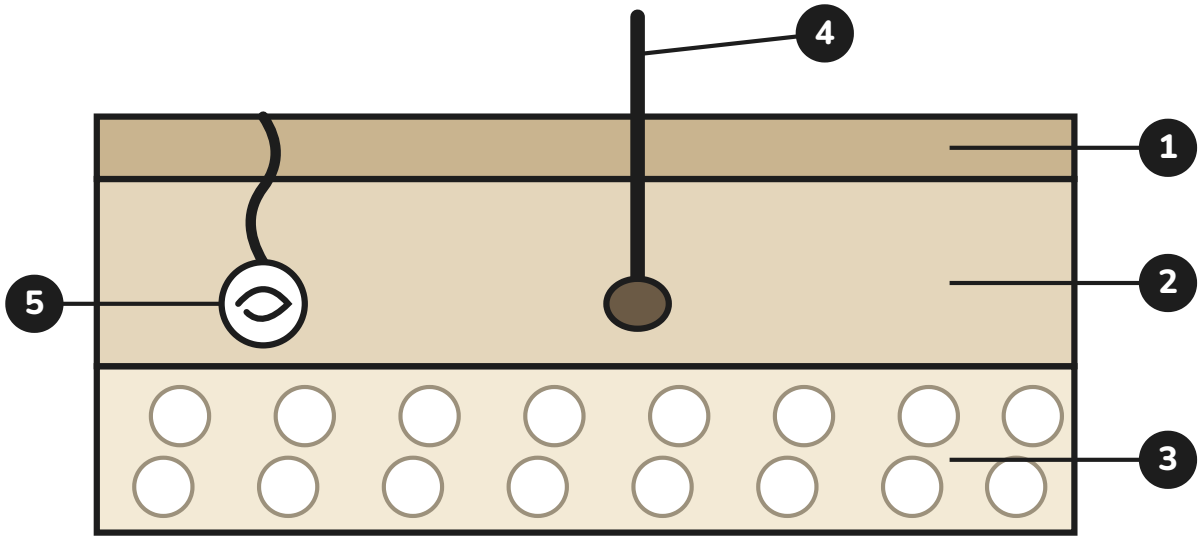
One question I still have about skin

DIAGRAM

LABEL THE DIAGRAM

My name: _____ Date .....

Write the name of each numbered part.



A simple cross-section of the skin with one hair and one sweat gland. It is not drawn to size.

heart **sweat gland** **dermis** **kidney** **hypodermis** **stomach** **epidermis** **hair**

1. _____ **2.** _____

3. _____ **4.** _____

5. _____

A. Which numbered part is the deepest layer of the skin?

_____

B. What does the sweat gland do?

WORDS FILL IN THE BLANKS

My name: _____ Date .....

Pick a word from the box for each blank.

epidermis	**bone**	**evaporates**	**sweat**	**dermis**	**oxygen**	**fat**	**nerve endings**
hypodermis	**melanin**	**protection**	**temperature**				

The integumentary system is the skin, hair and nails. The top layer of the skin is the (1) _____. Cells there make a pigment called (2) _____, which gives skin its color. Under the top layer is the (3) _____, which holds blood vessels, hair roots and (4) _____ that sense touch. Glands in this layer release (5) _____, which cools the body as it (6) _____. The deepest layer, the (7) _____, stores (8) _____ and attaches the skin to the muscle below. The skin also acts as a barrier, giving the body (9) _____ against germs and dirt. Another job is keeping body (10) _____ steady.

Follow the layers. Start at the top of the skin. Write the three layers, in order, from the box above.

top of the skin → _____ → _____ → _____

A. Choose one word from the box that you did not use. Write what it means or what it does.

TERMS MATCH CLUES TO TERMS

My name: _____ Date .....

Write the term that fits each clue.

Each clue fits one term in the box. A term can be used more than once.

epidermis **dermis** **hypodermis** **melanin** **sweat glands** **nerve endings** **protection**

Part A. Write the term for each clue.

CLUE	TERM
The thin outer layer of the skin	
A pigment that gives skin its color	
The middle layer, between the other two	
The deepest layer, which stores fat	
Glands that release a salty liquid to help cool the body	
Parts of the skin that sense touch and pressure	
The job of keeping out germs, dirt and water	
The layer where melanin is made	
The layer that attaches the skin to muscle	

Part B. Finish each sentence with a term from the box.

The pigment that gives skin its color is _____.

The top layer of the skin is the _____.

Glands that release sweat are called _____.

The layer that stores fat under the skin is the _____.

Part C. Explain the difference between the epidermis and the dermis.

SORT CUT AND PASTE: SORT IT

My name: _____ Date .....

Cut out the pieces. Paste each one in the right box.

Epidermis (outer layer)	Dermis (middle layer)

Cut on the dashed lines.

Makes melanin	Holds the hair roots	The thin outer layer	Has sweat glands
Holds blood vessels	The layer you see on the surface	Protects against germs and dirt	Has nerve endings that sense touch

1. Write one sentence that tells how the epidermis and the dermis are different.

TRACKER

INTEGUMENTARY SYSTEM TRACKER

STUDENT _____ TEACHER _____ UNIT DATES _____

PAGE	PAGE TYPE	ITEMS	RIGHT	DATE	NOTES
5	Label the Diagram	5			
6	Fill In the Blanks	13			
7	Match Clues to Terms	14			
8	Multiple Choice	8			
9	True or False? Fix It	8			
10	Read the Data, Draw the Graph	6			
11	Follow the Sweat	6			
12	Cut and Paste: Sort It	8			
13	Short Answers	5			
14	Explain It	3			

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 15 and 16). A blank means not tried yet, never wrong. There are 76 items on the 10 pages above; the reference page (4) is not scored. Filled example: page 21.

STANDARD OR UNIT GOAL (YOUR OWN WORDING)

EXAMPLE JORDAN'S TRACKER

Jordan T. is invented; nothing on this page describes a real student. The blank tracker is on page 17.

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

PAGE	PAGE TYPE	ITEMS	RIGHT	DATE	NOTES
5	Label the Diagram	5	4	10/12	Mixed up dermis and hypodermis
6	Fill In the Blanks	13	11	10/13	Used a spare word twice
7	Match Clues to Terms	14	14	10/14	–
8	Multiple Choice	8	7	10/15	Missed number 7
9	True or False? Fix It	8	8	10/16	–
10	Read the Data, Draw the Graph	6	–	–	–
11	Follow the Sweat	6	–	–	–
12	Cut and Paste: Sort It	8	7	10/19	One piece in the wrong box
13	Short Answers	5	–	–	–
14	Explain It	3	–	–	–

How to read it

Jordan T. has done **6 of 10** scored pages and got **51 of 56** items right. **2** pages were all right and **5** 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 51 of 56 items right. The next thing to practice is naming the parts of the skin diagram and telling the epidermis from the dermis." — 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 (4 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.

THANK YOU

BEFORE YOU GO

THANK YOU FOR USING THIS RESOURCE

Built for the teacher whose students each need a different amount of support reading, writing and reasoning about science. If this helped, leaving feedback on TPT helps other teachers find it.

Everything inside, one more time

- **11 student pages** in 11 page types, **76 scored items**, every answer read from the same lists that draw the pages.
- **8 multiple-choice questions**, **8 true-or-false statements**, **8 cut-and-paste pieces** and **2 answer keys**.
- **1 tracker, 1 class grid, 1 team note, 1 family page, 1 filled example, 1 phrase bank** (15 starters), **1 binder cover** and divider tabs.

No real student anywhere in this file

The filled example on page 21 names "Jordan T.," an invented student used only to show how the tracker fills in. The touch-test data on page 10 is invented class data. No table, note or score anywhere in this resource describes a real child, and nothing here is a clinical judgment, an eligibility timeline, or a medical claim of any kind. Once you fill in a real student's name, the tracker, class grid and team note (pages 17, 18 and 19) do carry real information — keep completed pages secure the same way you would any other record.

Something missing or wrong?

Please use the **Ask a Question** tab on the product page first — every question is read, and a fix to the file is a free update you re-download from **My Purchases**.

WHAT'S NEXT FROM THIS STORE

More science for the same classroom, plus vocabulary probes.



Body Systems Worksheets
The six body systems: label, match, sort and explain, grades 6-8.



Photosynthesis Worksheets
Diagram, sort, fill in and short answer for a plant science unit, grades 6-8.



Content Area Vocabulary: Science and Social Studies
Progress-monitoring probes for science and social studies words, grades 4-6.

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