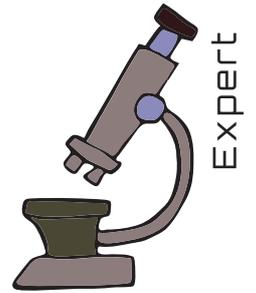




# LUNGS

Puzzle 1 • Page 1 of 3

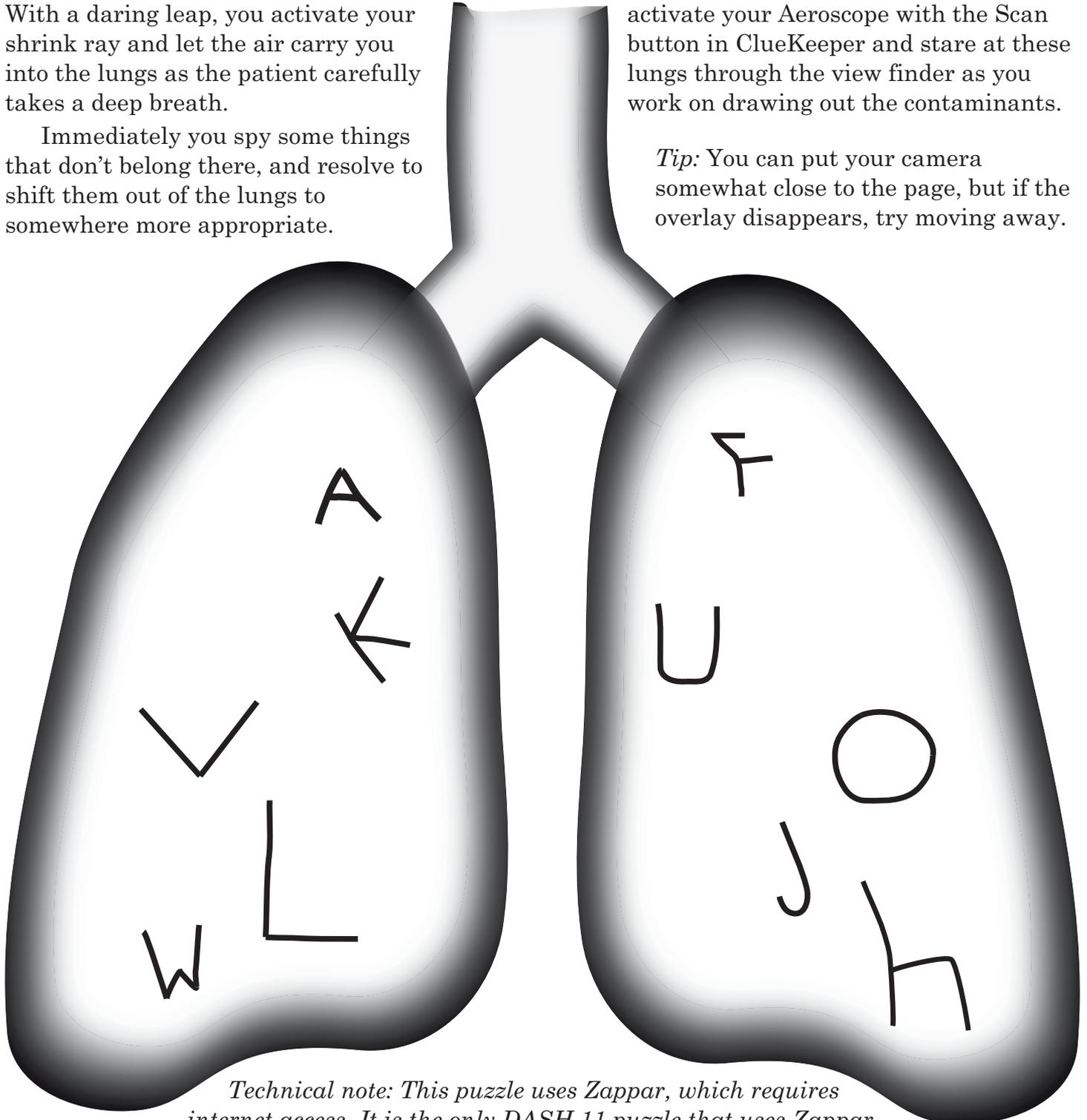


It sounds like something very strange is contaminating the air in the patient's lungs. With a daring leap, you activate your shrink ray and let the air carry you into the lungs as the patient carefully takes a deep breath.

Immediately you spy some things that don't belong there, and resolve to shift them out of the lungs to somewhere more appropriate.

But first, beware! There's more than meets the eye here... you'll need to activate your Aeroscope with the Scan button in ClueKeeper and stare at these lungs through the view finder as you work on drawing out the contaminants.

*Tip:* You can put your camera somewhat close to the page, but if the overlay disappears, try moving away.



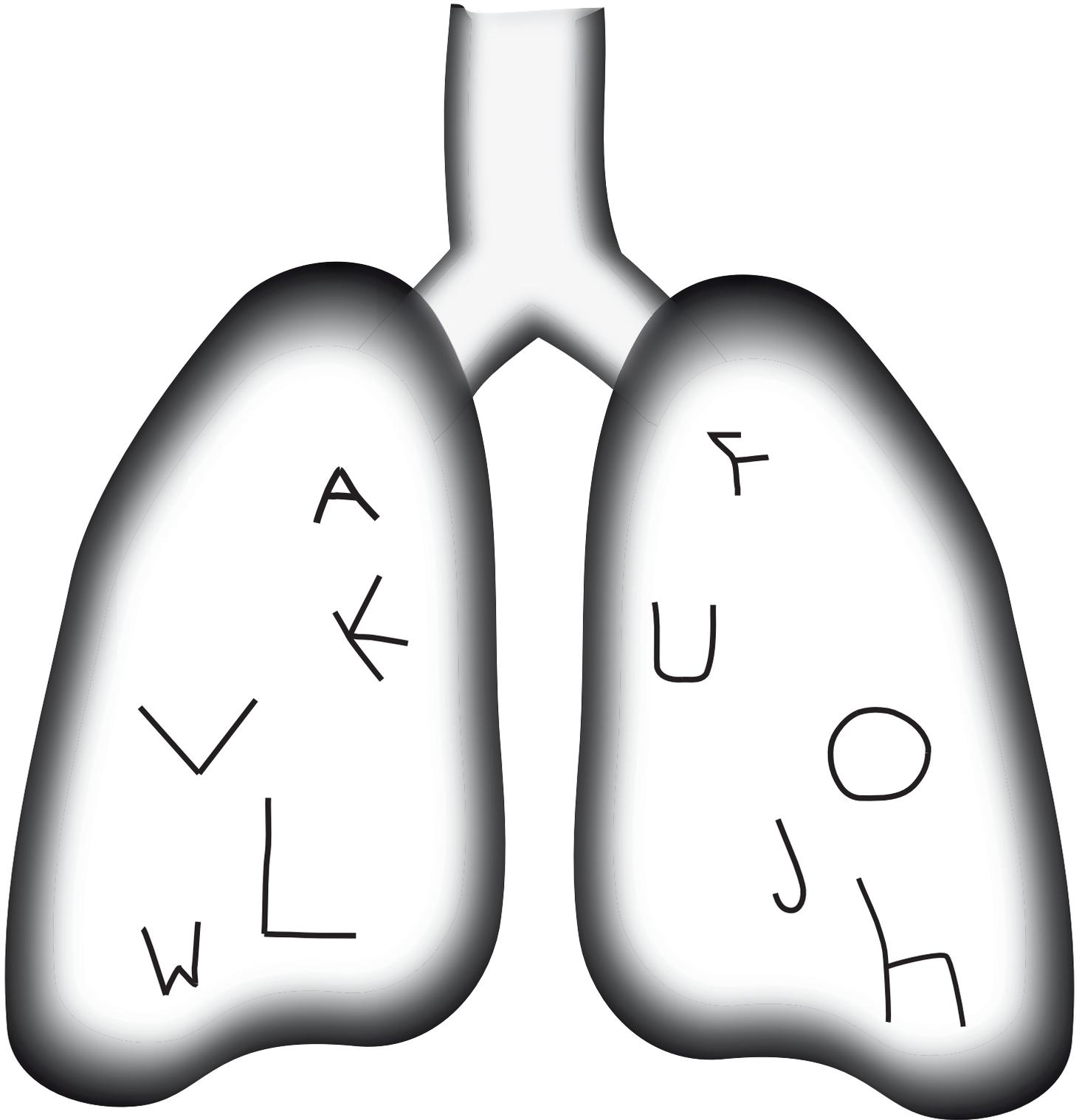
*Technical note: This puzzle uses Zappar, which requires internet access. It is the only DASH 11 puzzle that uses Zappar.*



# 1. Lungs



*A copy of the lungs is provided here for your convenience.*



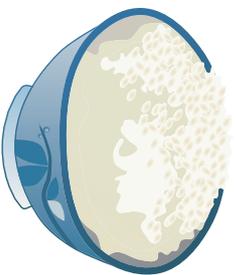


# 1. Lungs

Meanwhile, shift your attention to identifying these. As you take things that are not air out of the lungs, you'll find sound places to re-attach them here. Once everything is fully re-paired, you'll know how to treat the first things you spied. Then maybe everyone can breathe a little easier!



KPPAN



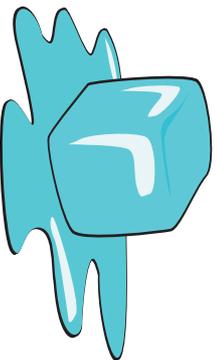
LCWY



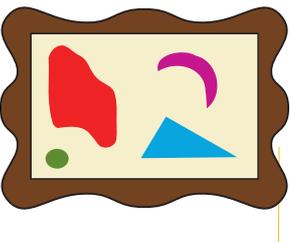
UDIW



RGQK



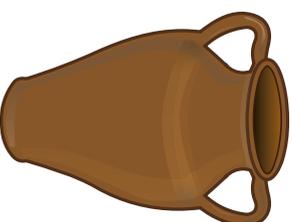
DXZ



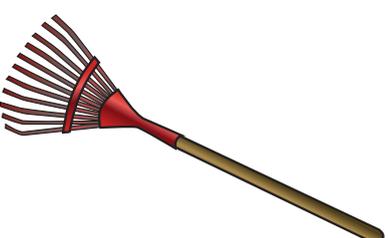
ZQS



TOBKZE



VSO



NWGA

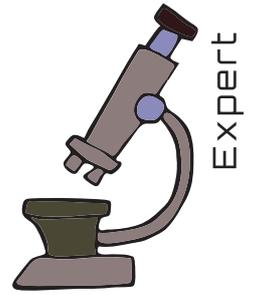


JAFY



# HEART

Puzzle 2 • Page 1 of 2



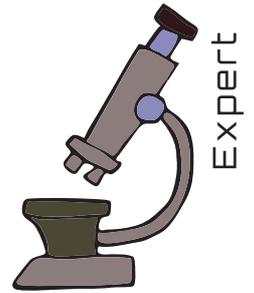
Oh no! There seems to be a problem with the circulation around the heart. Cut out the 16 squares on page 2 and use them to determine how you can enrich it with more oxygen!





# KIDNEY

Puzzle 3 • Page 1 of 2

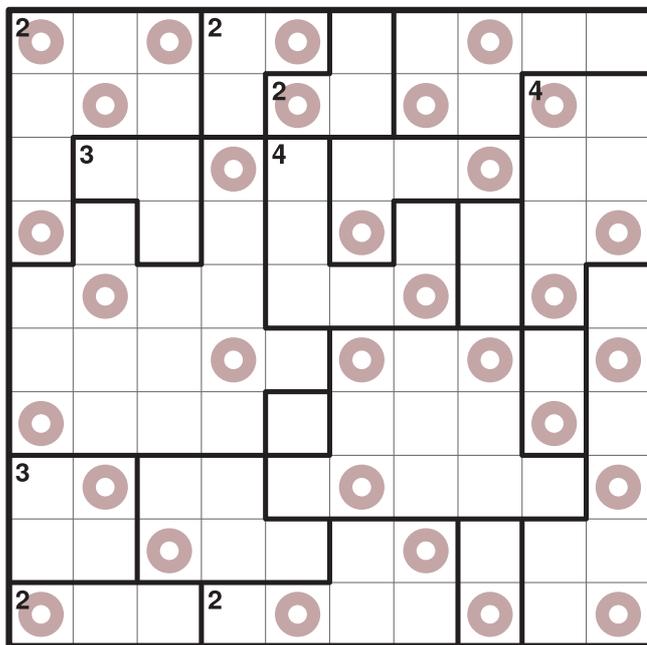


Scanners show a distinct stone in every sector of the kidney. If they all drop, the bottom half of the kidney will be completely blocked! What can your team do to help?

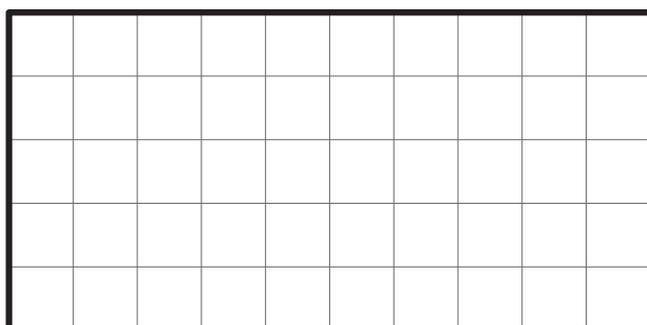
Shade cells in the grid below according to these rules:

1. Each sector – a bold-outlined region – must contain exactly one stone.
2. A stone is a mass of contiguous shaded cells (sharing edges).
3. Stones from different sectors may not share sides, but can touch at corners.
4. If a region contains a number, exactly that many cells must be shaded.
5. Shade half the cells in each column.
6. If dropped, stones will stack at the bottom of the grid, clearing the top half. Each stone remains intact, keeping its shape, but will not rotate. It must be able to nest perfectly on any stones below it, so that the stones completely fill the lower half of the grid.

The grids on the right show the solution for a sample puzzle.

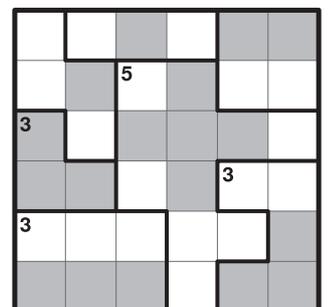
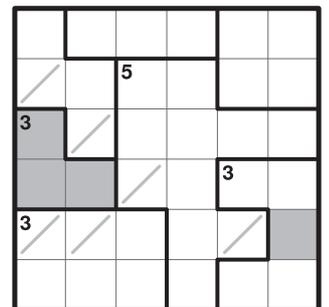
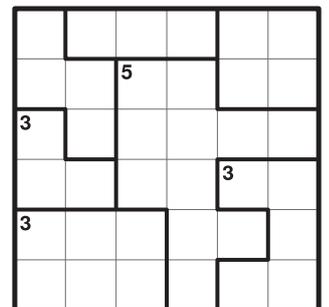


The circles in this grid mark locations that can create weak spots in the stones. You will use them in combination with the grid on the next page; they are not relevant for locating stones.



← You can use this grid to record how the stones stack.

## Example





# 3. Kidney



The letters in the grid below are clued in two ways:

- Each row contains two words, written one after the other in the order they're clued.
- The grid can be partitioned along gridlines into the ten pentomino shapes below. These shapes will remain in the given orientation and will not overlap.

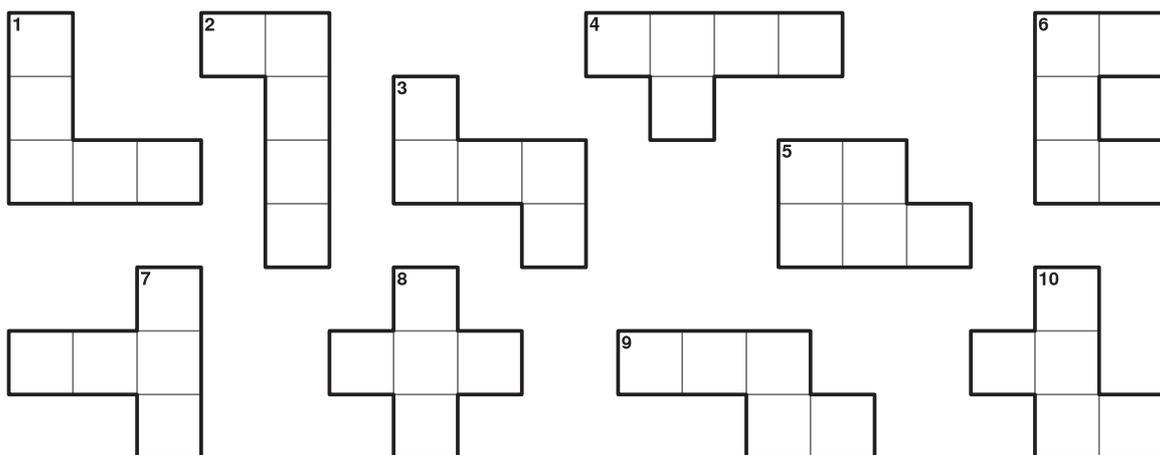
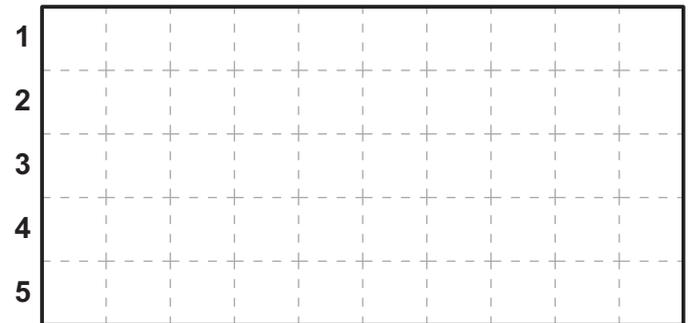
### Pentomino Clues

Write the 5-letter answers to these clues in the indicated pentominos below, filling them from left to right, top to bottom (normal reading order).

- 1 Schrödinger's cat, perhaps
- 2 Conscious
- 3 Yogi of baseball
- 4 One who says "I do"
- 5 Polo crowds stomp it out of existence
- 6 Degas or Poe
- 7 Run it to cover everything
- 8 "The Amazing \_\_\_\_\_" (magician)
- 9 Plasma, e.g.
- 10 What a clue this vague might do to your team

### Row Clues

- 1 Card game or dentistry term  
Tow or tie
- 2 Ray of light  
Country in East Africa
- 3 What the author is hoping are  
unneded for this puzzle  
Take a chance
- 4 Volume knob, e.g.  
Sculpture
- 5 Kind of candle  
Office sub





# BONES

Puzzle 4 • Page 1 of 3



You hear an apt song as you search the bones for clues for how to help the patient. You hope for the best but can't shake the feeling that things are not going to end up OK.

The toe bone's connected to the foot bone.

The foot bone's connected to the heel bone.

The heel bone's connected to the ankle bone.

The ankle bone's connected to the leg bone.

The leg bone's connected to the knee bone.

The knee bone's connected to the thigh bone.

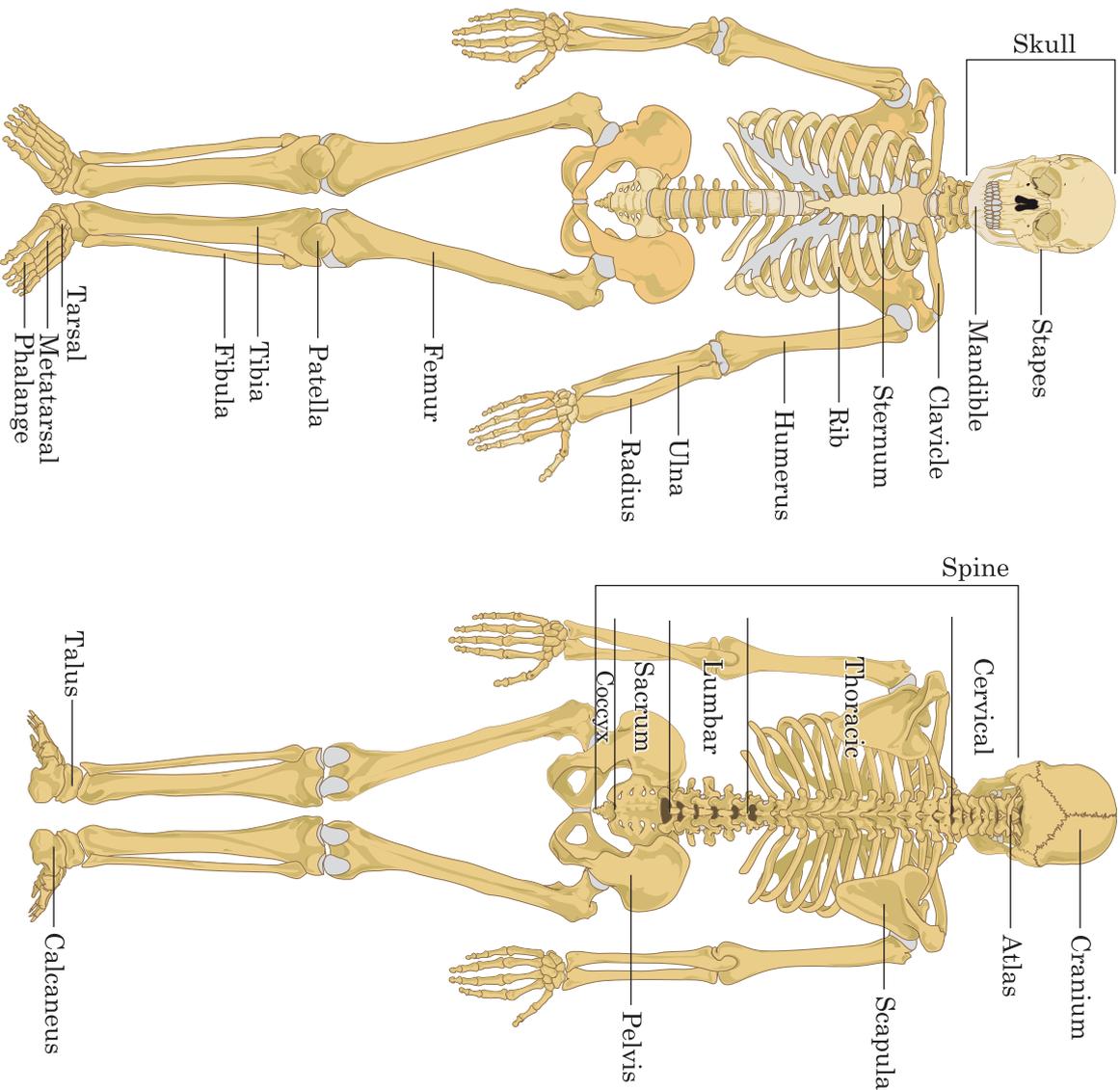
The thigh bone's connected to the hip bone.

The hip bone's connected to the back bone.

The back bone's connected to the shoulder bone.

The shoulder bone's connected to the neck bone.

The neck bone's connected to the head bone.





# 4. Bones



C	P	O	F	E	Z	T	T	S	D	G	N	F	Y	D	B	O	A	G	U	P	T	N	W
P	O	E	L	D	Q	P	G	N	E	Z	V	H	T	D	Y	D	Y	C	U	D	S	S	K
H	A	R	D	J	Z	A	B	Y	L	O	E	R	Q	H	R	E	V	E	P	R	E	J	Q
H	N	I	C	S	S	L	A	O	C	M	A	W	Z	A	J	Z	O	I	H	F	S	R	I
U	M	U	G	M	X	T	K	Y	I	G	T	S	J	P	O	C	D	I	D	O	H	W	T
Y	Q	D	R	W	P	R	O	V	A	S	Q	B	G	H	U	T	K	P	F	Y	U	H	J
O	K	K	C	Z	H	U	A	R	X	E	R	N	V	Q	Y	A	G	E	I	V	U	L	T
J	W	V	M	P	G	L	D	N	B	T	N	F	O	N	Z	L	D	Q	C	K	V	V	J
U	P	O	J	R	C	N	H	P	S	T	Z	I	E	C	P	Q	E	J	Z	N	A	T	L
P	D	Z	C	C	R	T	W	V	C	C	W	A	P	Q	N	H	A	S	A	B	C	D	E
M	Z	Y	P	A	P	N	Q	P	V	W	L	Y	T	S	A	X	I	Z	F	G	H	I	J
E	D	A	K	N	A	Z	Q	D	D	T	W	P	C	D	R	V	O	Y	K	L	M	N	O
B	G	N	A	Y	N	O	T	O	B	A	R	N	W	R	L	T	M	U	P	Q	R	S	T
P	C	B	S	A	T	D	E	R	Y	G	V	P	D	E	J	Z	Q	P	U	V	W	Y	Z
B	S	H	T	C	H	O	Q	N	J	O	N	M	P	Q	D	C	T	J	S	Z	T	C	E
G	R	C	C	K	I	O	C	C	W	M	M	I	O	X	R	O	C	C	W	R	E	D	U
S	F	E	V	G	N	W	R	I	C	S	D	C	H	W	R	J	S	G	M	V	I	R	R
N	A	D	M	L	G	T	G	F	W	C	T	E	F	T	Q	U	C	Y	A	I	E	R	K
Y	E	N	M	U	Z	I	E	S	Q	V	Z	K	W	R	E	M	M	U	G	D	M	A	N
F	O	Q	S	L	M	I	N	P	F	V	I	H	Y	R	H	M	K	E	V	O	M	F	K
J	U	F	O	W	Y	H	P	M	W	P	J	V	N	O	J	A	O	P	F	W	J	I	Z
U	B	V	R	I	P	T	C	H	O	D	K	G	R	N	D	Z	R	S	F	F	T	T	P
D	R	L	O	S	T	A	N	E	B	Y	L	K	B	R	Y	D	I	N	X	T	A	L	E
B	Z	L	C	H	W	O	A	U	S	F	T	V	O	Z	M	L	C	F	I	A	E	L	Z
A	N	M	D	K	O	X	C	L	A	C	A	L	S	T	T	I	B	I	A	O	P	C	V
A	B	C	D	E	D	R	C	Z	M	K	E	U	Y	M	N	K	D	L	O	L	S	D	R
F	G	H	I	J	C	P	O	F	A	D	Z	L	A	S	H	F	M	L	H	V	O	D	Z
K	L	M	N	O	W	F	R	Z	D	Q	P	G	R	A	T	O	J	K	T	Y	J	F	K
P	Q	R	S	T	V	I	Y	R	H	R	Z	B	V	E	T	A	N	Q	Z	E	R	Q	H
U	V	W	Y	Z	F	S	R	I	N	P	B	D	X	M	L	E	G	N	A	U	D	V	I
E	M	Q	Q	E	A	F	F	W	G	T	S	J	Y	U	O	P	H	A	L	J	R	F	L
H	O	I	A	V	R	Z	K	U	O	W	Q	E	H	U	T	K	A	U	K	K	E	R	O



# 4. Bones



*A copy of the grid is provided here for your convenience.*

C	P	O	F	E	Z	T	T	S	D	G	N	F	Y	D	B	O	A	G	U	P	T	N	W
P	O	E	L	D	Q	P	G	N	E	Z	V	H	T	D	Y	D	Y	C	U	D	S	S	K
H	A	R	D	J	Z	A	B	Y	L	O	E	R	Q	H	R	E	V	E	P	R	E	J	Q
H	N	I	C	S	S	L	A	O	C	M	A	W	Z	A	J	Z	O	I	H	F	S	R	I
U	M	U	G	M	X	T	K	Y	I	G	T	S	J	P	O	C	D	I	D	O	H	W	T
Y	Q	D	R	W	P	R	O	V	A	S	Q	B	G	H	U	T	K	P	F	Y	U	H	J
O	K	K	C	Z	H	U	A	R	X	E	R	N	V	Q	Y	A	G	E	I	V	U	L	T
J	W	V	M	P	G	L	D	N	B	T	N	F	O	N	Z	L	D	Q	C	K	V	V	J
U	P	O	J	R	C	N	H	P	S	T	Z	I	E	C	P	Q	E	J	Z	N	A	T	L
P	D	Z	C	C	R	T	W	V	C	C	W	A	P	Q	N	H	A	S	A	B	C	D	E
M	Z	Y	P	A	P	N	Q	P	V	W	L	Y	T	S	A	X	I	Z	F	G	H	I	J
E	D	A	K	N	A	Z	Q	D	D	T	W	P	C	D	R	V	O	Y	K	L	M	N	O
B	G	N	A	Y	N	O	T	O	B	A	R	N	W	R	L	T	M	U	P	Q	R	S	T
P	C	B	S	A	T	D	E	R	Y	G	V	P	D	E	J	Z	Q	P	U	V	W	Y	Z
B	S	H	T	C	H	O	Q	N	J	O	N	M	P	Q	D	C	T	J	S	Z	T	C	E
G	R	C	C	K	I	O	C	C	W	M	M	I	O	X	R	O	C	C	W	R	E	D	U
S	F	E	V	G	N	W	R	I	C	S	D	C	H	W	R	J	S	G	M	V	I	R	R
N	A	D	M	L	G	T	G	F	W	C	T	E	F	T	Q	U	C	Y	A	I	E	R	K
Y	E	N	M	U	Z	I	E	S	Q	V	Z	K	W	R	E	M	M	U	G	D	M	A	N
F	O	Q	S	L	M	I	N	P	F	V	I	H	Y	R	H	M	K	E	V	O	M	F	K
J	U	F	O	W	Y	H	P	M	W	P	J	V	N	O	J	A	O	P	F	W	J	I	Z
U	B	V	R	I	P	T	C	H	O	D	K	G	R	N	D	Z	R	S	F	F	T	T	P
D	R	L	O	S	T	A	N	E	B	Y	L	K	B	R	Y	D	I	N	X	T	A	L	E
B	Z	L	C	H	W	O	A	U	S	F	T	V	O	Z	M	L	C	F	I	A	E	L	Z
A	N	M	D	K	O	X	C	L	A	C	A	L	S	T	T	I	B	I	A	O	P	C	V
A	B	C	D	E	D	R	C	Z	M	K	E	U	Y	M	N	K	D	L	O	L	S	D	R
F	G	H	I	J	C	P	O	F	A	D	Z	L	A	S	H	F	M	L	H	V	O	D	Z
K	L	M	N	O	W	F	R	Z	D	Q	P	G	R	A	T	O	J	K	T	Y	J	F	K
P	Q	R	S	T	V	I	Y	R	H	R	Z	B	V	E	T	A	N	Q	Z	E	R	Q	H
U	V	W	Y	Z	F	S	R	I	N	P	B	D	X	M	L	E	G	N	A	U	D	V	I
E	M	Q	Q	E	A	F	F	W	G	T	S	J	Y	U	O	P	H	A	L	J	R	F	L
H	O	I	A	V	R	Z	K	U	O	W	Q	E	H	U	T	K	A	U	K	K	E	R	O

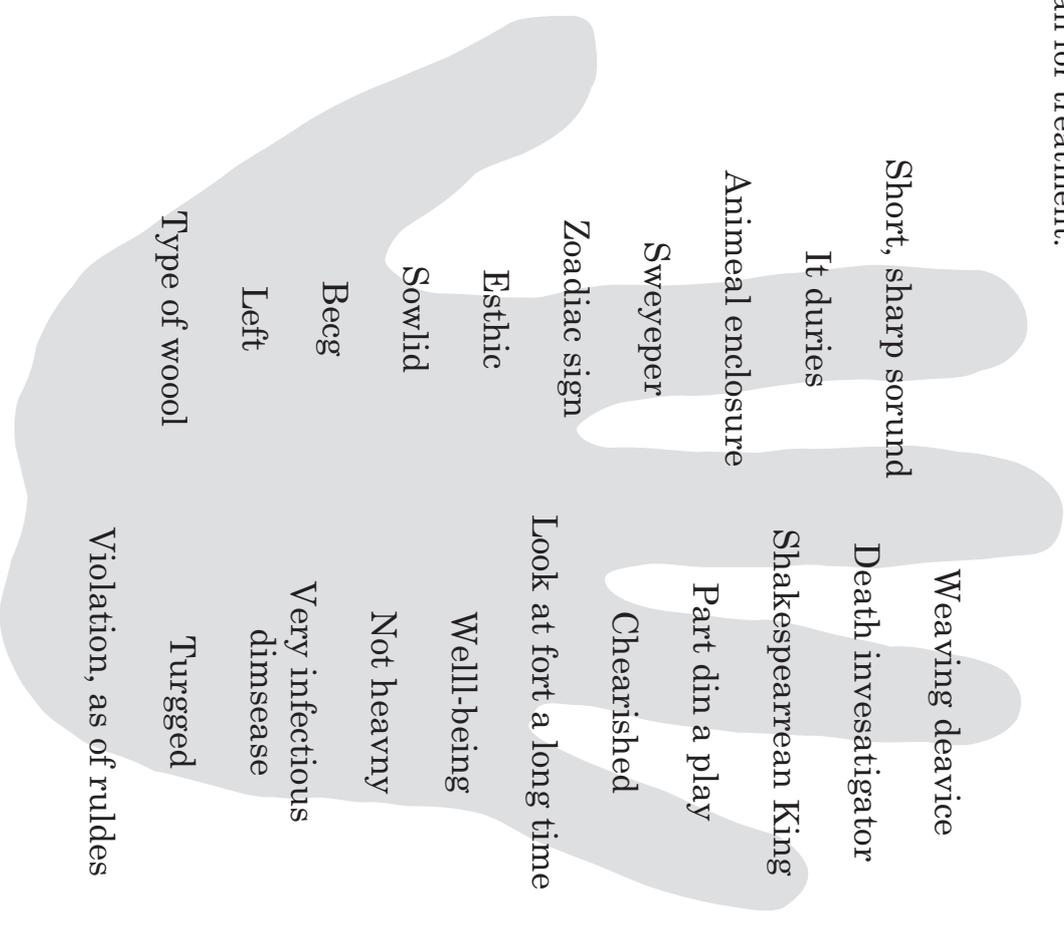
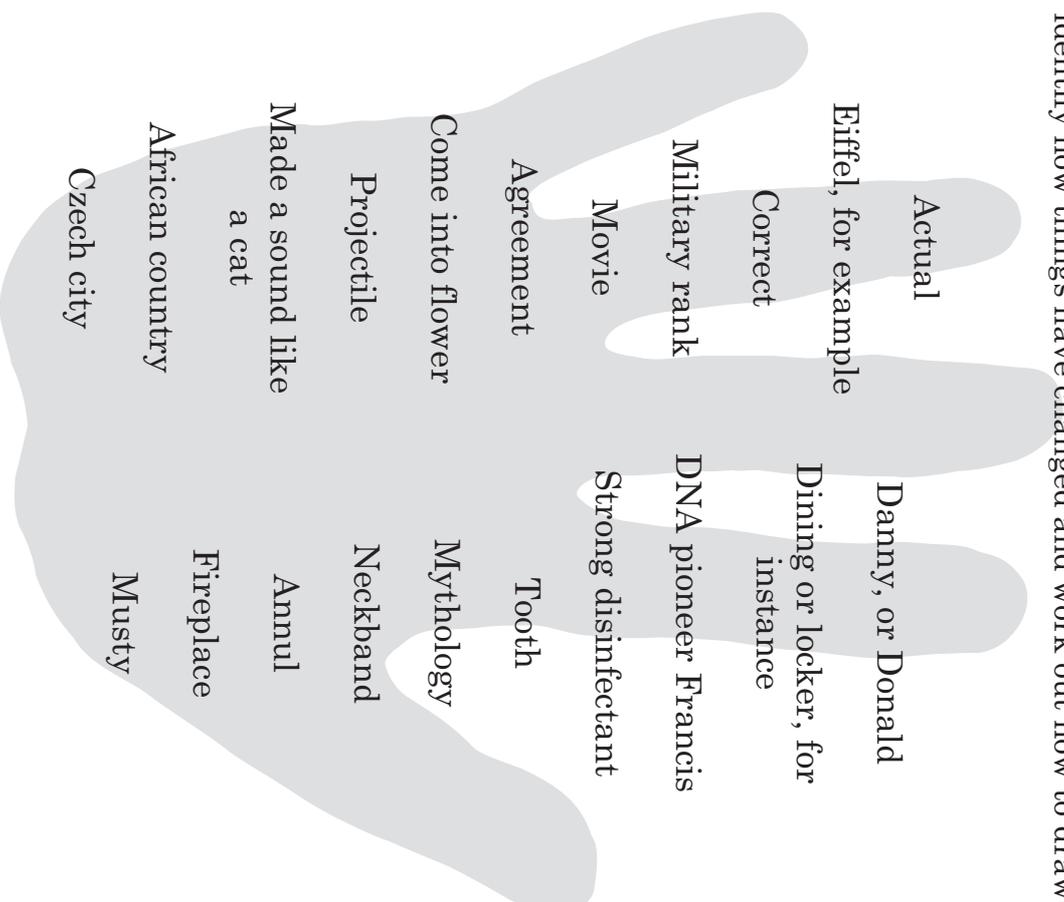


# HANDS

Puzzle 5 • Page 1 of 2



Something is afflicting one of the patient's hands. Fortunately, the other one seems fine, so your team can explore them both to identify how things have changed and work out how to draw up a plan for treatment.



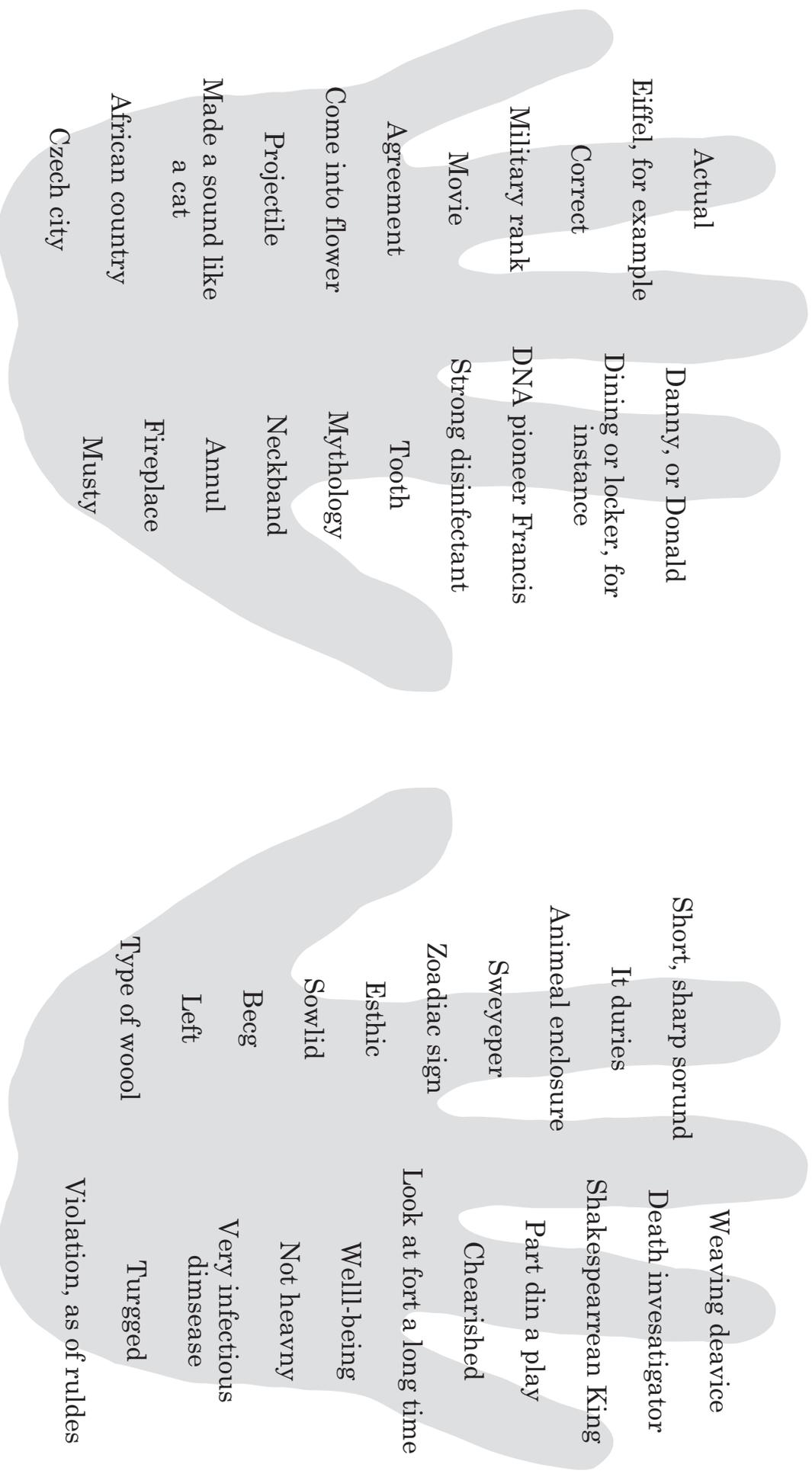


# S. Hands



*This is a copy of the puzzle for your convenience.*

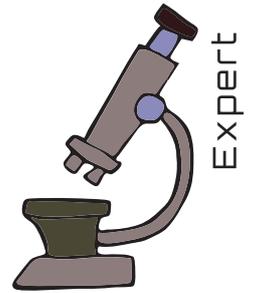
Something is afflicting one of the patient's hands. Fortunately, the other one seems fine, so your team can explore them both to identify how things have changed and work out how to draw up a plan for treatment.





# STOMACH

Puzzle 6 • Page 1 of 3



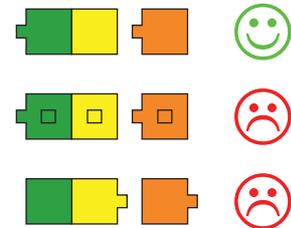
You enter the stomach and find yourself in a storm of churning acid. Either the patient is having an anxiety attack or is suffering from some kind of nasty stomach bug. You take some RNA samples from the stomach to see if you can identify the cause of the upset.

In each group of samples, use the six-letter answers to determine the correct order for linking up the RNA snippets. Once you know the order of the snippets, chain together their colored amino acid fragments, building the resulting chain with the snap-blocks. Fold the chain into a protein according to the given rules. **Do not flip or rotate the proteins once folded.**

When all 6 proteins are folded, assemble them into a rectangle to discover the culprit.

*Tip:* to make folding easier, use these guidelines when building your chains:

- Orient the cubes so that a smooth face (with no hole) is face up, on the top surface; this will result in the tab on one side and sockets on the other three sides.
- Add a cube to the chain by plugging its tab into the end of the existing chain.



①

<b>Got smaller</b>	<b>14-line poem</b>	<b>Something learned</b>	<b>Foot-leg connectors</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

To fold: Start with the sequence running south. The first cube is the north- and west-most cube. The first three cubes make an L-shape. The sequence of three green cubes runs vertically, and they are among the farthest-west cubes. The final green cube is adjacent to another green cube. The final shape fits in an area that is 2 cubes wide and 6 cubes high.

②

<b>___ and hawed</b>	<b>Snake-haired lady</b>	<b>Country's song</b>	<b>Baby</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

To fold: Start with the sequence running south. The only turns are after cubes 3, 4, and 6. The last cube in the sequence ends up farther west than the first cube. The final shape fits in an area that is 5 cubes wide and 3 cubes high.

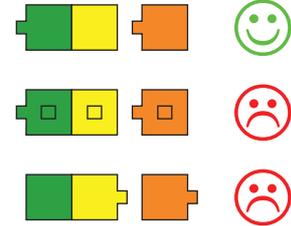


# 6. Stomach



*Tip:* to make folding easier, use these guidelines when building your chains:

- Orient the cubes so that a smooth face (with no hole) is face up, on the top surface; this will result in the tab on one side and sockets on the other three sides.
- Add a cube to the chain by plugging its tab into the end of the existing chain.



③

<b>Attacked by a bug</b>	<b>Shrek's pal</b>	<b>Bunny</b>	<b>Muscle-bone connector</b>
□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □

To fold: Start with the sequence running north. The first cube is the south- and west-most cube. The black cube is in the same row as the first cube. The green cube has a two-cube-wide gap directly to the east of it. All of the yellow cubes except the first share a side with at least one other yellow cube. The most northerly cube is orange. The final shape fits in an area that is 7 cubes wide and 3 cubes high.

④

<b>Like some tea</b>	<b>Extreme fright</b>	<b>A dance with tutus</b>	<b>Envelope contents</b>
□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □

To fold: Start with the sequence running west. The second black cube has only one cube due east and only one cube due north. Three of the green cubes are in the top row. The two yellow cubes lie due south of one of the orange cubes. The final shape fits in an area that is 8 cubes wide and 3 cubes high.

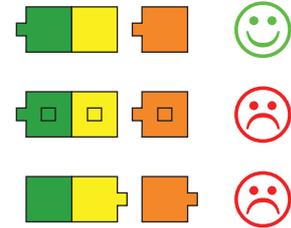


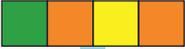
# 6. Stomach



*Tip:* to make folding easier, use these guidelines when building your chains:

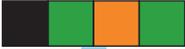
- Orient the cubes so that a smooth face (with no hole) is face up, on the top surface; this will result in the tab on one side and sockets on the other three sides.
- Add a cube to the chain by plugging its tab into the end of the existing chain.



⑤ 

**Lower back area**



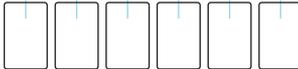


**Oily to the touch**





**Sanctuary**





**He cuts your hair**



To fold: Start with the sequence running east. The first turn is at an orange cube. The black cube has adjacent cubes to the east, west, and south, and no cubes due north. The yellow cube is one of two cubes in the top row. There are no gaps in the bottom row. The final shape fits in an area that is 7 cubes wide and 3 cubes high.

⑥ 

**Hand-to-hand \_\_\_\_\_**





**Journey**





**The Dark Knight**





**Plush fabric**





**Of-peated phrase**

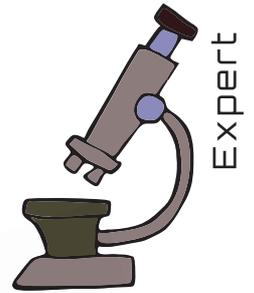


To fold: Start with the sequence running north. The first cube is the south- and west-most cube. The first black cube is on a diagonal line with the first cube. All three black cubes end up stacked vertically on one another. The three green cubes are in the southeast corner. The cubes completely fill a rectangle that is 7 cubes wide and 3 cubes high.



# PANCREAS

Puzzle 7 • Page 1 of 4

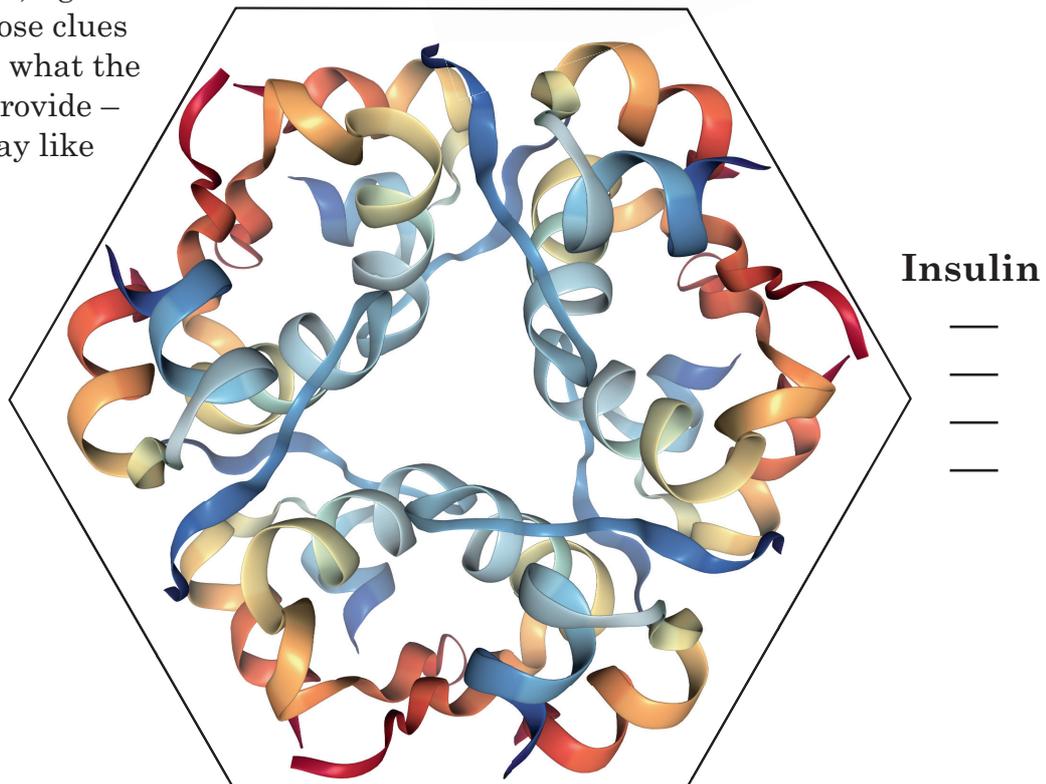
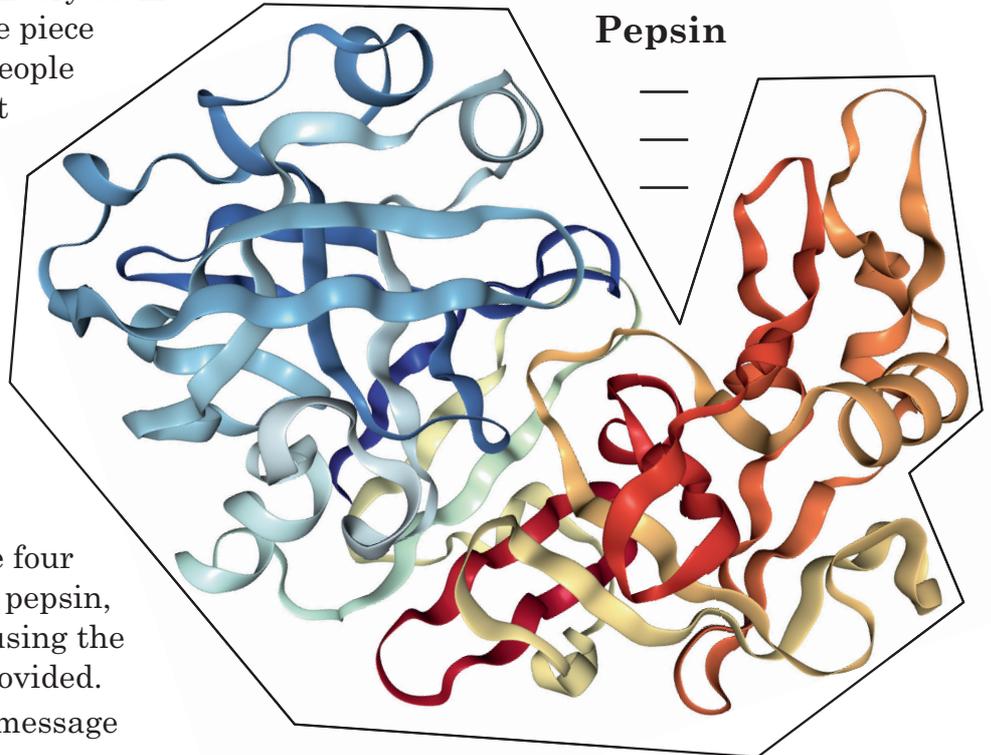


We are what we eat. Literally. Every atom in our bodies originated in some piece of food we ate. Whereas some people progressively nibble throughout the day on just about anything, others watch what they eat and always strive to find good wholesome products.

However we choose to eat, though, the pancreas is the unsung hero that helps us process all this food, providing energy for all our biological processes.

To learn more, construct the four pancreatic digestive enzymes – pepsin, insulin, lipase, and amylase – using the twenty basic building blocks provided.

After you've discovered the message from each enzyme, figure out how to use all those clues together to learn what the pancreas helps provide – especially on a day like today.

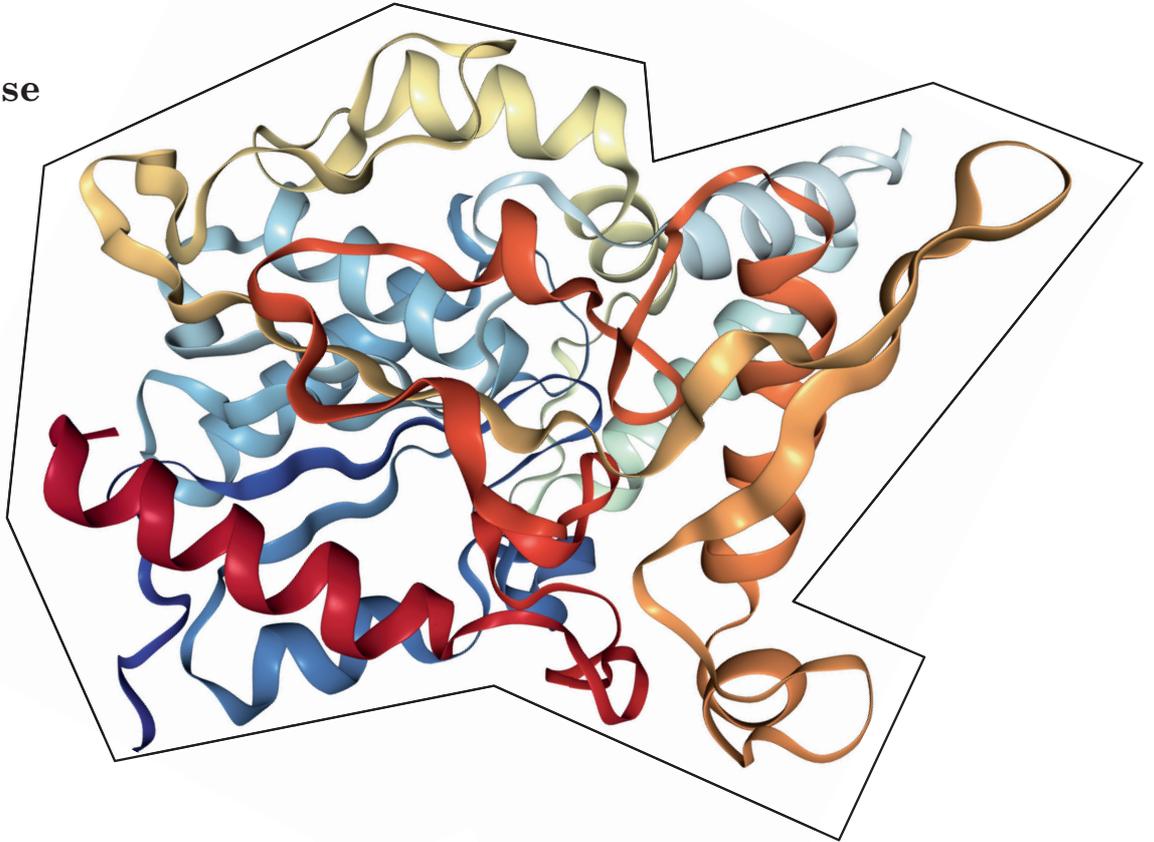




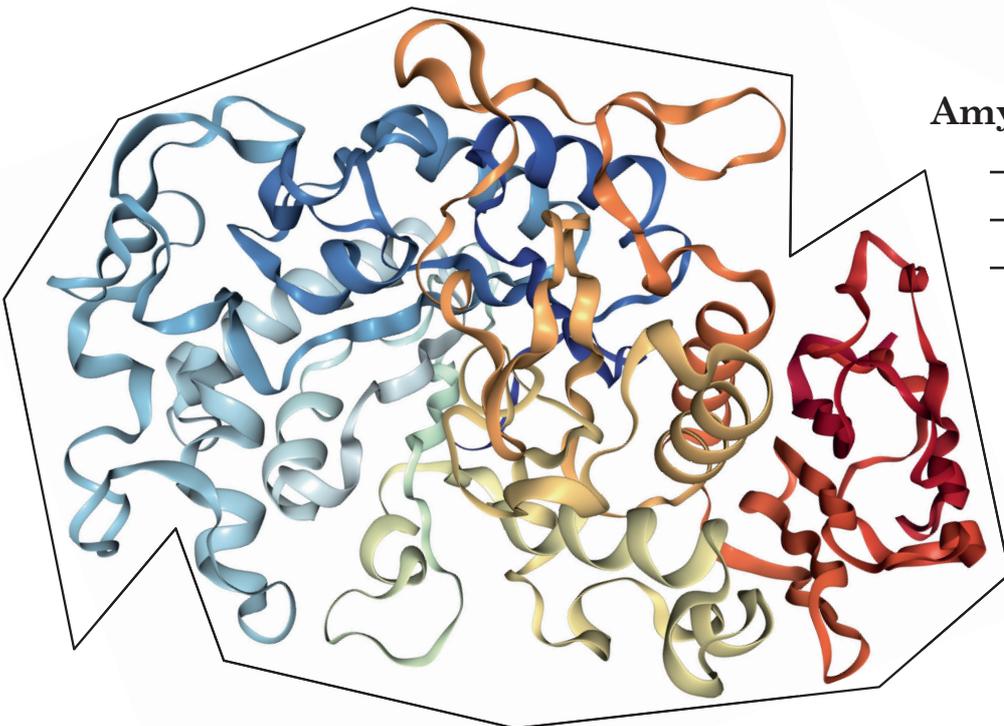
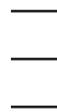
# 7. Pancreas



Lipase



Amylase





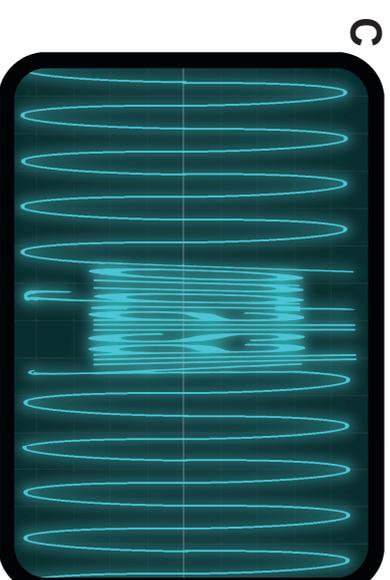
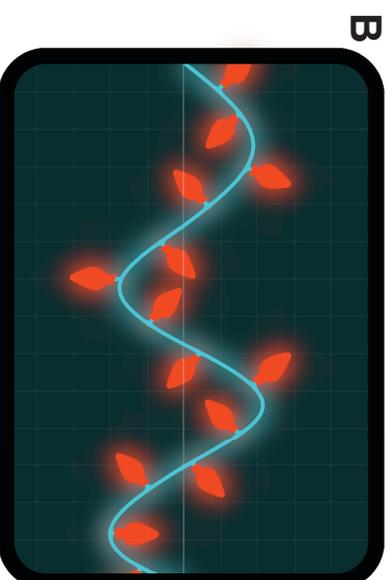
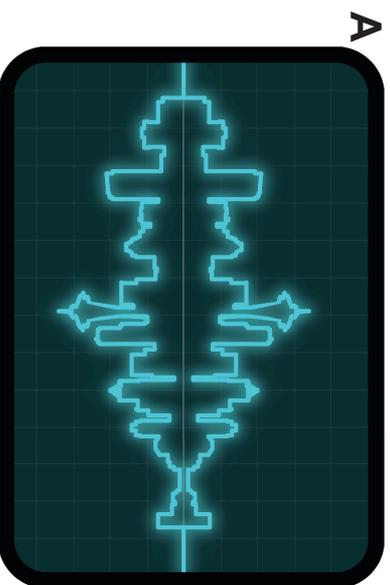
# EPARS

Puzzle 8 • Page 1 of 3



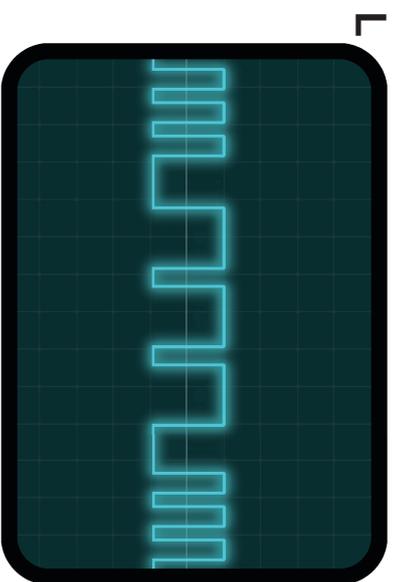
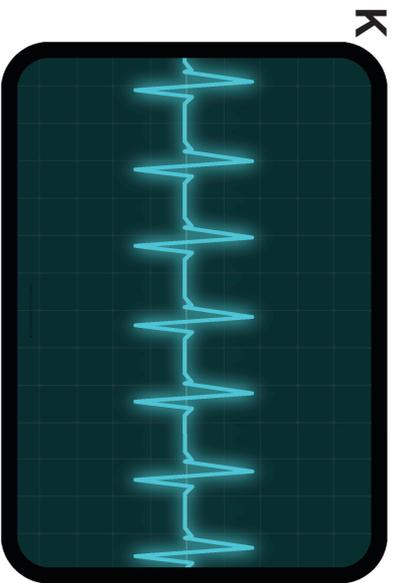
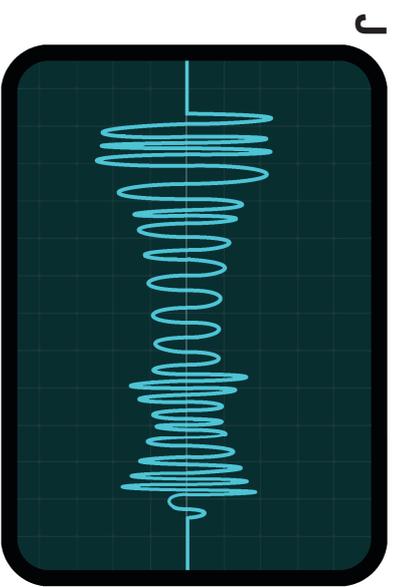
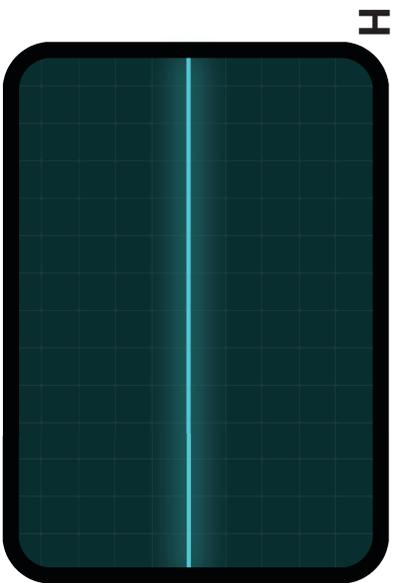
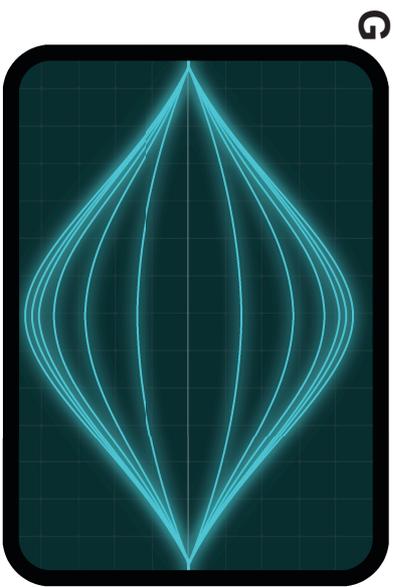
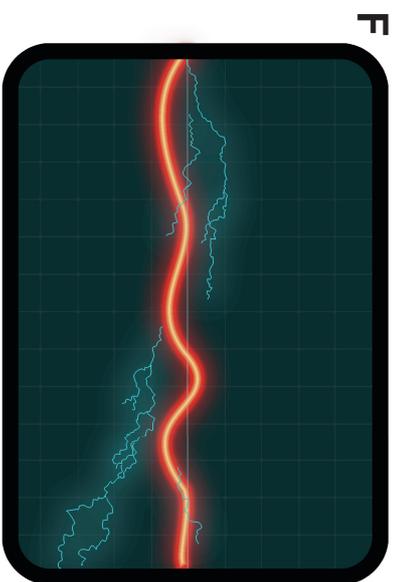
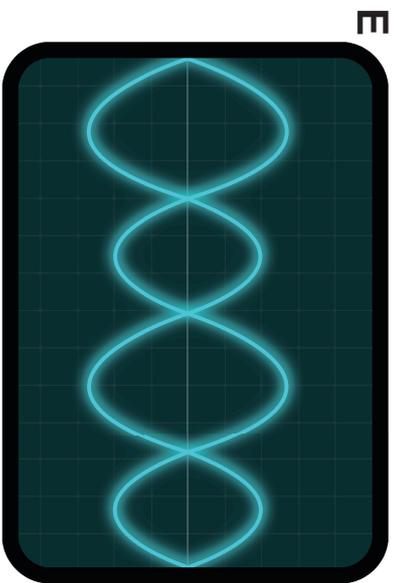
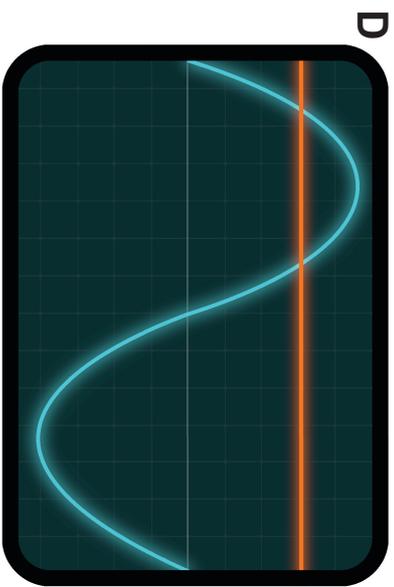
Something's gone wrong with the ears, and you'll need to make sense of all this gibberish to figure out how to fix them. If only you could understand these wonky display modes on your oscilloscope!

1. LIZ AND TOY EARHARDT
2. BURR THE PLAY SOFT CRUNCH MEW SICK
3. CHIN GULL ALL DEW EH
4. SIR FIN YOU ESSAY
5. HOOEY AGAIN KNACK ALL
6. HAYSEED EASY
7. ISLE I COUGH HE ISLE LIKED HE WANT YOLK COMMAND CHUMP WHIFF MAY
8. NUMB BROTH ICKY SONOGRAM P AND O
9. HELL PINE HEED SAMBA DEE
10. LEE TELLER TCH HARD
11. THIS SOW END OFF SIGH LENS
12. WEVIL RUG QUEUE



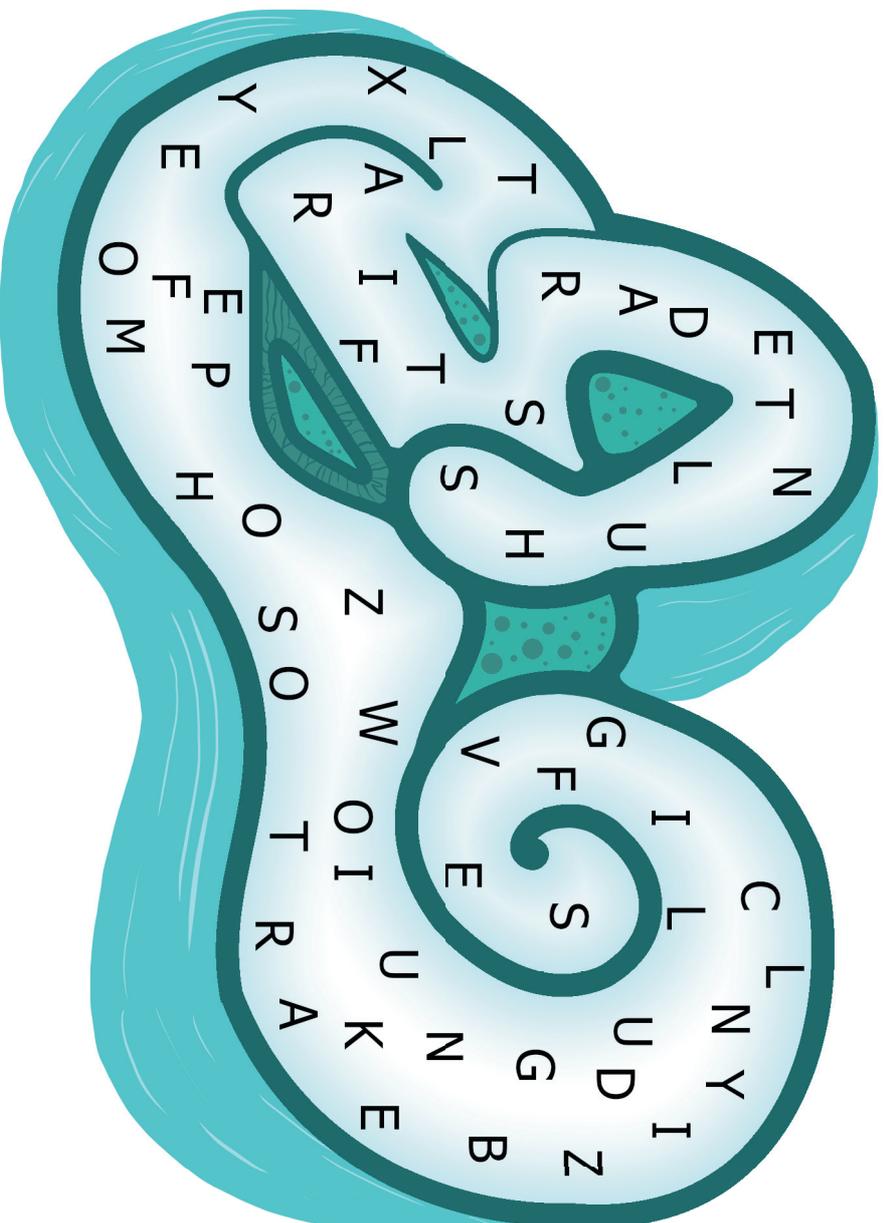


# B. EARS



# B. Ears

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12



- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L

## The Osseous Labyrinth

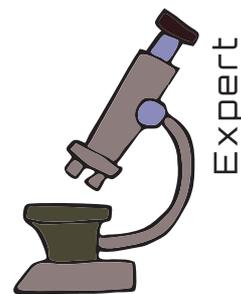
A bony structure of the inner ear.





# BRAIN

Puzzle 9 (meta) • Page 1 of 5



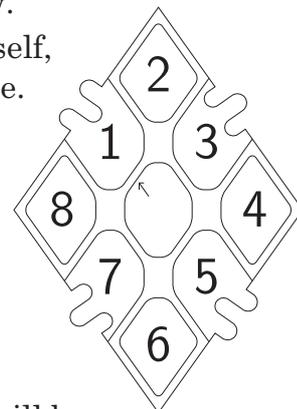
You've finally made it to the brain, and it seems like this is the source of all of the patient's problems. Twelve neurons have gone rogue and have been responsible for causing all sorts of issues throughout the body.

First, read about the twelve neurons on the next four pages. Solve each neuron's problems to get two words. A list of clues for all twenty-four solution words appears below.

Second, copy eight letters from each neuron's solutions onto the neuron itself, starting with "1" in the space indicated by the arrow and proceeding clockwise. (See the diagram to the right.) If an answer blank is marked with a star, draw a small star next to the corresponding letter on the neuron. Be extremely careful, and make sure you follow the special instructions on the last three neurons.

Third, assemble the twelve neurons to create the brain. Each letter in the half-cell along the middle of a neuron's edge will match with the letter in a half-cell of another neuron.

Finally, use metacognition to identify paths around the brain. Every cell will be used once. Note that the edge cells matched up in the previous step now count as just one cell. A path may cross itself or another path. There are many ways to form individual paths, but there's only one way to form all the paths without revisiting a cell.



- |           |              |
|-----------|--------------|
| Nut       | Verification |
| Yellow    | Goad         |
| Damaged   | Fruit        |
| Certain   | Peruse       |
| Banish    | Street       |
| Down      | Nose         |
| Deception | Fringe       |
| Flower    | Ripped       |
| Yearned   | Fish         |
| Float     | Adjuster     |
| Country   | Instrument   |
| Weight    | Child        |



# 9. Brain



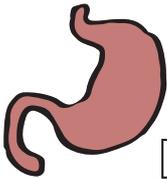
This neuron is causing the **heart** to pump blood through the **ears**, resulting in synesthesia.



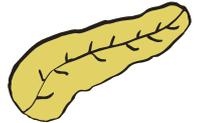
PERP	CARTA	AS	SCAR	DEN	SAM	SIGH	RUBE
•	•	•	•	•	•	•	•
		S		S	H		Y
R			W			A	
	P A		P				H
		H	E		I	R	
				A			
•	•	•	•	•	•	•	•
NULL	LIT	BEE	INN	PULL	NUMB	SURE	ANNE

Crossed:  $\frac{3}{5} \frac{7}{1}$

Uncrossed:  $\frac{4}{8} \frac{2}{6}$

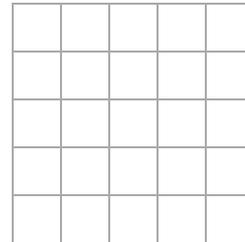


This neuron is causing the **stomach** to assemble enzymes instead of the **pancreas**.



2.0		5.0				6.0	8.0					2.2	0.5				6.0		0.5	5.0			2.0
-----	--	-----	--	--	--	-----	-----	--	--	--	--	-----	-----	--	--	--	-----	--	-----	-----	--	--	-----

To fold: Start with the sequence running east. The sequence never runs north. The cubes completely fill a square that is 5 cubes wide and 5 cubes high.

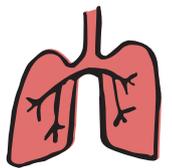


Symbol (in US):  $\frac{4}{6} \frac{2}{3}$

Syzygies:  $\frac{8}{5} \frac{7}{1}$



This neuron is causing the **hands** to change the air in the **lungs**.



Minor phoint (6)

Strong wwind (4)

Pierce with ab stake (6)

Psrison (4)

Witch triaal city (5)

LIE -1 ODIE +3

RACKED -2

READ +4 AXE +2

Take awayj (7)

Excesksive desire for wealth (5)

Indirecqtly suggest (5)

Car-lifting devices (5)

Eaement with symbol Na (6)

Left letters shifted:  $\frac{6}{5} \frac{4}{2}$

Right letters shifted:  $\frac{8}{7} \frac{3*}{1}$

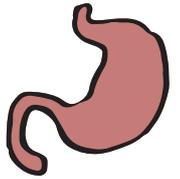




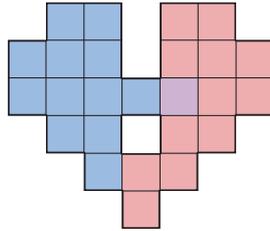
# 9. Brain



This neuron is causing the **heart** to work like the **stomach**. But it still needs oxygen!



D A • U T • • • • • • • • R • • • • • • • • S N •



Horizontal:                                   

Vertical:                                   



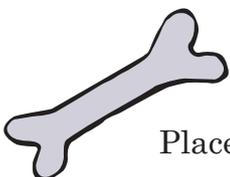
This neuron is causing the **hands** to cover the left and right **ears**.



- BERRY •
- REVEL •
- RALLY •
- GLADE •
- PALTRY •
- CEASE AW ORC ROBE ARE
- CURR LEANNE MOW SPARTAN ER
- GNAW TIN TIRE LEE
- MAR CAN NECKS AM
- AB DOME INN

Crossed:                                   

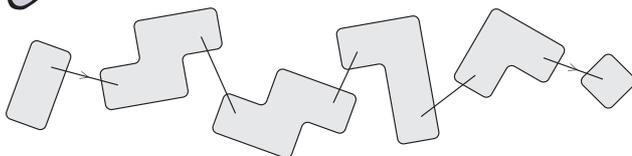
Uncrossed:                                   



This neuron is causing the **bones** to drop into the **kidney**.



Place these stones in the grid.



S	O	A	N	S	W
E	P	L	U	R	P
R	T	I	R	O	N
O	V	O	B	D	O
I	F	Z	K	E	Y
G	E	O	L	M	P

Remember: Each sector has one stone; stones can't touch; and when the stones fall, they should fill the bottom three rows.

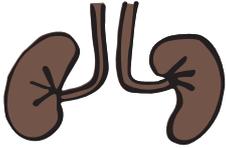
Tip: Start by figuring out which stone can fit in each sector.

Joints:                                   

Empty squares:



# 9. Brain



This neuron is causing the **kidneys** to perfectly mirror each other like the **hands**.



		○			○
	○	○	○	○	
○		3	○		
D	E	N	T	A	L
S	O	D	I	U	M
T	R	A	C	E	S

4			○		
	○	○	○	○	
		○			○
B	U	R	G	E	R
T	O	X	I	N	S
L	E	A	K	E	D

Remember:

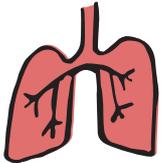
Each sector has one stone; stones can't touch; and when the stones fall, they should fill the bottom three rows.

Read marked letters from left to right across rows, top to bottom.

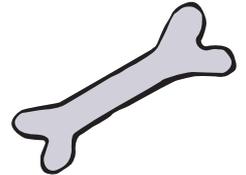
Left: 1 7 8 4 3

Right: 2\* 5 6

After writing the letters on this neuron, draw a small star at the bottom of the center space.



This neuron is causing the **lungs** to shift the **bones** around!



A	R	C	S	F	A	H	R	B	M	O	B	H	C
P	N	H	K	Q	T	U	V	I	R	F	A	V	A
G	I	S	N	D	I	J	A	N	C	J	E	R	N
L	U	T	A	Y	B	S	L	L	X	F	T	Z	U
C	M	O	M	E	L	G	C	O	E	B	S	W	M

Head bone: ETCPKWO  
 Jaw bone: WKXNSLVO  
 Shoulder bone: TCRMZTCV  
 Chest bone: CDOBXEW

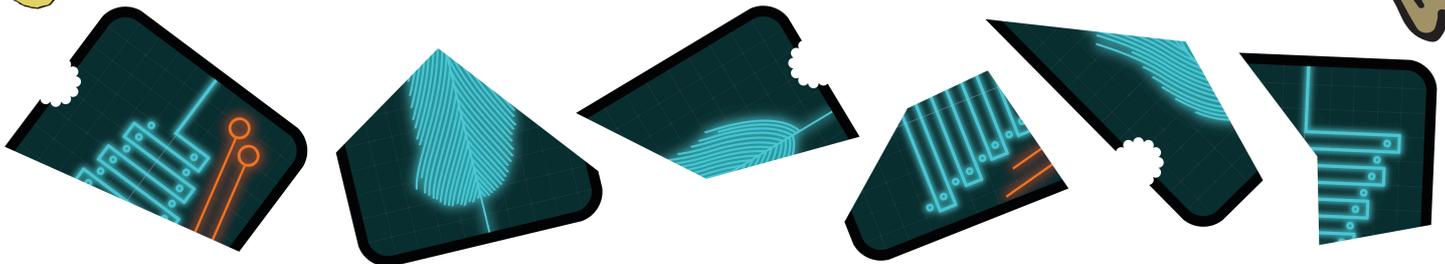
Word shapes: 4 5 2 3

Shifted letters: 7 1 8 6\*

After writing the letters on this neuron, circle the arrow.



This neuron is causing the **pancreas** to digest sounds from the **ears**.



First wave: 3 2 4 1

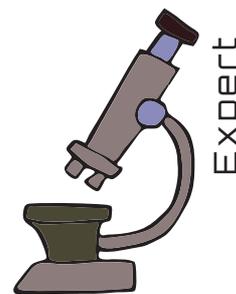
Second wave: 5 6 8 7

After writing the letters on this neuron, cross out the arrow.



# INTESTINES

Bonus Puzzle • Page 1 of 1



The patient needs your help to diagnose an issue in the intestines.

The answers for the Intestine Path clues follow the path, but along the way are interrupted by eight blockages of one letter each. Some of these blockages lie between words, and others appear inside an answer (though not necessarily forming a new word). No answer will have more than one blockage.

In order to find the blockages, you need to deploy sonar from each of the eight gray areas in the large intestine. The Sonar Waves are eight-letter words, each starting at one of the four white spaces bordering a gray area and traveling to the opposite edge of the grid (to either gray area). Waves will not necessarily travel in a straight line; they may move horizontally, vertically, or diagonally to an adjacent space at each step. Waves don't share grid spaces, but may cross at points where both go diagonally.

Analyze the blockages found by the sonar waves to discover their cause.

## Intestine Path

- 1 More extended
- 2 US Lobbyist gp. associated with this amendment?
- 3 Tilt
- 4 Pitch, such as from a pine
- 5 Spanish neighborhood
- 6 Evil Tolkien creature
- 7 Possessive pronoun
- 8 High card
- 9 Fencer or gunslinger
- 10 Shark feature
- 11 Promising lead or pencil lead
- 12 Elementally-named antiseptic
- 13 Light brown color
- 14 Mauna \_\_\_ (Hawaiian volcano)

## Sonar Waves

- 1 Drawings sprayed on walls
- 2 Italian artist and inventor
- 3 Teach
- 4 Actress Rossellini
- 5 Arctic dog race
- 6 "Sweet" woman in a Neil Diamond title
- 7 Gazelle or Impala, e.g.
- 8 Particle denoted by a Greek v

