



# STOMACH SOLUTION

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## Puzzle 6

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.**

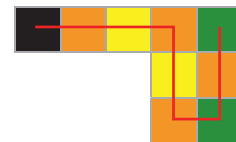
When all 6 proteins are folded, assemble them into a rectangle to discover the culprit.

Link RNA snippets by overlapping words by 3 letters, then use fragments in that order for chains.

Amino acid chains  
and folded proteins:

1: YOYOGGGYOYOG

2: GOGOYOYOB



①



Got smaller

S H R A N K



14-line poem

S O N N E T



Something learned

L E S S O N



Foot-leg connectors

A N K L E S

SHR ANK LES SON NET

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



\_\_\_ and hawed

H E M M E D



Snake-haired lady

M E D U S A



Country's song

A N T H E M



Baby

I N F A N T

INF ANT HEM MED USA

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.



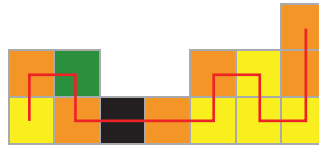
# 6. Stomach

**SOLUTION**

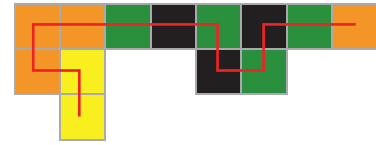
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Amino acid chains  
and folded proteins:

3: YOGOBOYOYYYOO



4: OGBGBGBGOOOYY



③



Attacked by a bug

B I T T E N



Shrek's pal

D O N K E Y



Bunny

R A B B I T



Muscle-bone connector

T E N D O N

RAB BIT TEN DON KEY

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



Like some tea

H E R B A L



Extreme fright

T E R R O R



A dance with tutus

B A L L E T



Envelope contents

L E T T E R

HER BAL LET TER ROR

To fold: Start with the sequence running west. The chain turns south after the third cube. 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.



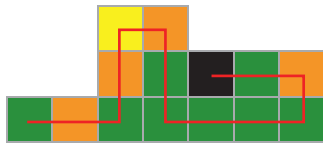
## 6. Stomach

# SOLUTION

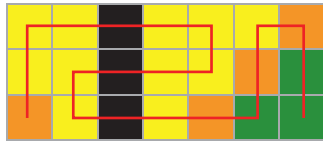
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Amino acid chains and folded proteins:

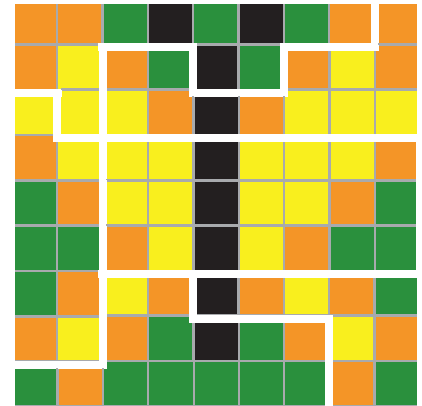
5: BGOGGGGGYOYOGOG



6: OYYYBYYYYBYBYOGYOYOGG



Assembling the proteins reveals a **BUTTERFLY**



Lower back area

L U M B A R



Oily to the touch

G R E A S Y



Sanctuary

A S Y L U M



He cuts your hair

B A R B E R

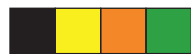
GRE ASY LUM BAR BER

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.



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

C O M B A T



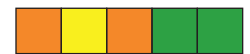
Journey

T R A V E L



The Dark Knight

B A T M A N



Plush fabric

V E L O U R



Oft-repeated phrase

M A N T R A

COM BAT MAN TRA VEL OUR (or VEL VET)

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.