



# KIDNEY

# SOLUTION

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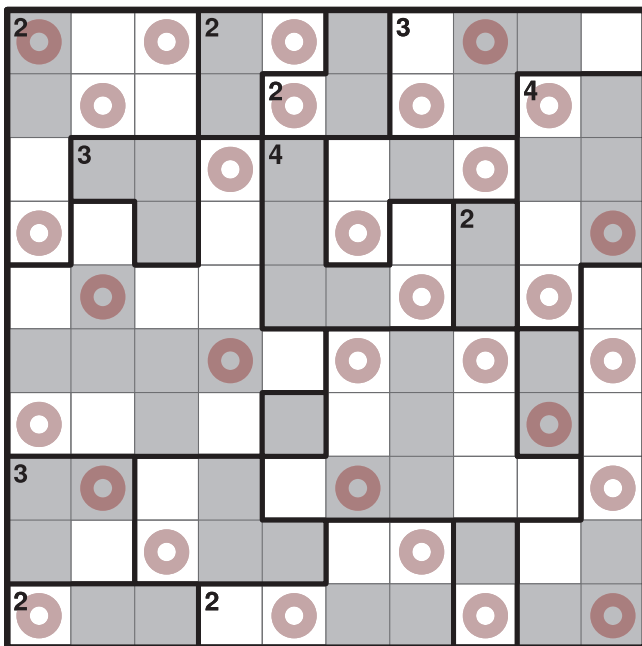
## Puzzle 3

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:

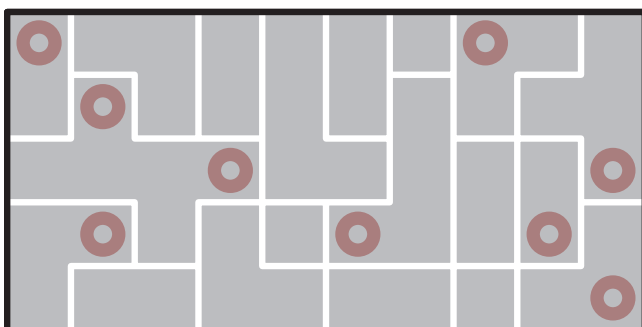
1. Each sector – a bold-outlined region – must contain exactly one stone.
2. A stone is a mass of contiguous shaded cells (sharing edges).
3. Stones from different sectors may not share sides, but can touch at corners.
4. If a region contains a number, exactly that many cells must be shaded.
5. Shade 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.



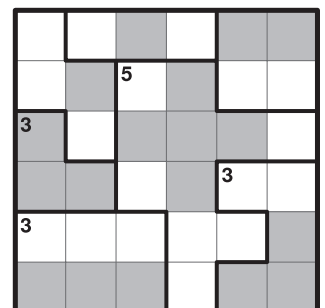
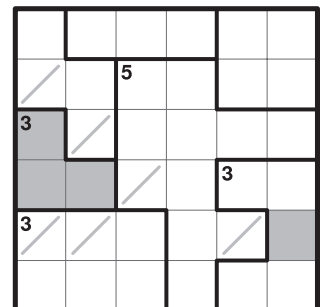
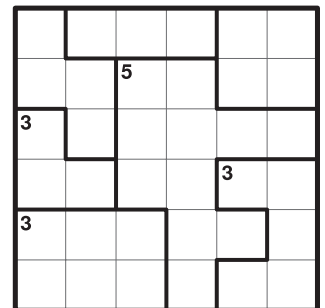
*Tip:* Play the example to help understand the rules and learn strategy.

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

## SOLUTION

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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

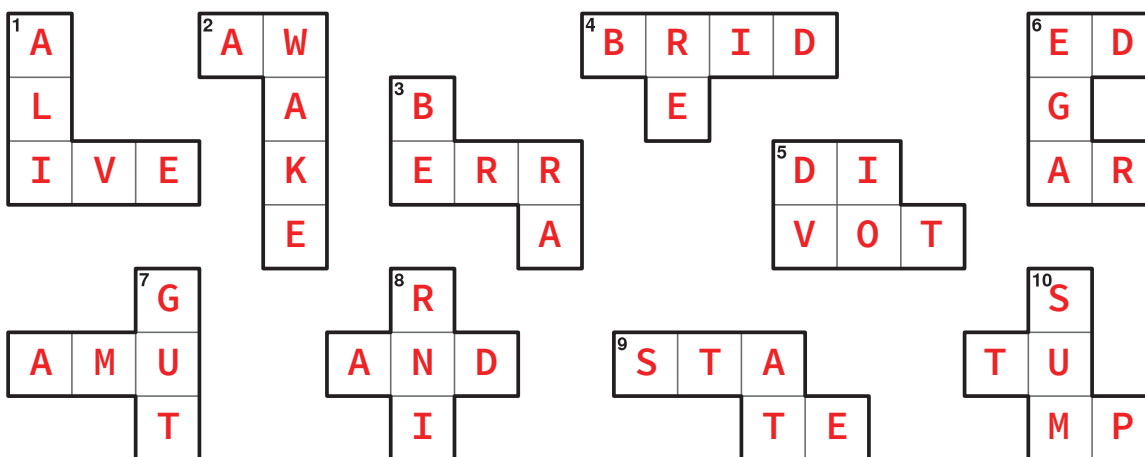
Write the 5-letter answers to these clues in the indicated pentominos below, filling them from left to right, top to bottom (normal reading order). The answers in this list are in alphabetical order.

#### Row Clues

- 1 Card game or dentistry term  
Sketch **BRIDGE, DRAW**
- 2 Ray of light **BEAM, UGANDA**  
Country west of Kenya
- 3 List of corrections  
Take a chance **ERRATA, RISK**
- 4 Volume knob, e.g.  
Sculpture **DIAL, STATUE**
- 5 Kind of candle  
Office sub **VOTIVE, TEMP**

- 1 Schrödinger's cat, perhaps **ALIVE**
- 2 Conscious **AWAKE**
- 3 Yogi of baseball **BERRA**
- 4 One who says "I do" **BRIDE**
- 5 Dislodged piece of turf **DIVOT**
- 6 Degas or Poe **EDGAR**
- 7 Run it to cover everything **GAMUT**
- 8 "The Amazing \_\_\_\_" (magician) **RANDI**
- 9 Solid, liquid, or gas **STATE**
- 10 What a clue this vague might do to your team **STUMP**

1	B	R	I	D	G	E	D	R	A	W
2	B	E	A	M	U	G	A	N	D	A
3	E	R	R	A	T	A	R	I	S	K
4	D	I	A	L	S	T	A	T	U	E
5	V	O	T	I	V	E	T	E	M	P



After you have completed both grids, identify all the weak spots created in the stones in the first grid (places where a stone is marked with a circle). Determine where those weak spots end up after all the stones have dropped to the bottom, and mark the corresponding cells in the grid above.

The marked letters spell: **BREAK IT UP**