

Energy Flow in Technological Systems Maze

Students in Science 10 analyze how energy transforms and transfers through technological devices. This maze reinforces understanding of energy forms, conversions, and the principles that govern how devices like engines, solar panels, and power plants operate ([Outcome](#), [Outcome](#)). As students navigate the puzzle, they practise systematic problem-solving, a key skill when investigating mechanical energy and efficiency in real systems ([Outcome](#), [Outcome](#)).

How to play

Start at the marked entrance. Draw one continuous path through the open corridors to the marked exit. You may move up, down, left, or right through white space, but you cannot cross or climb over any walls. Your path must not branch or cross itself. When you reach the exit, check your solution against the answer key below.

The maze

START

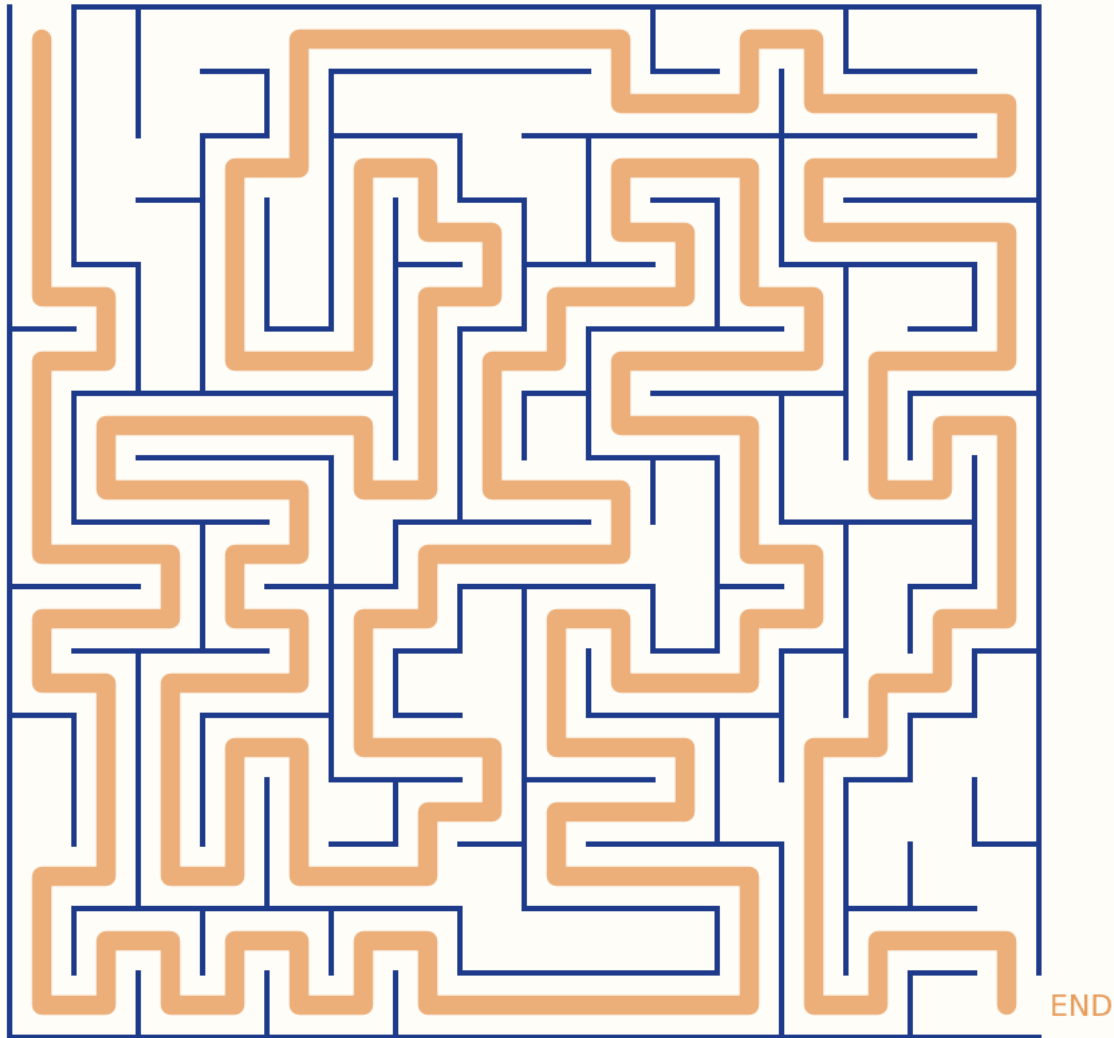


Maze

Answer key

Energy Flow in Technological Systems Maze (solution)

START



END

Maze solution

Path: down 4, right 1, down 1, left 1, down 3, right 2, down 1, left 2, down 1, right 1, down 3, left 1, down 2, right 1, up 1, right 1, down 1, right 1, up 1, right 1, down 1, right 1, up 1, right 1, down 1, right 5, up 2, left 3, up 1, right 2, up 1, left 2, up 2, right 1, down 1, right 2, up 1, right 1, up 1, left 1, up 2, left 2, up 1, right 3, up 1, left 1, up 2, left 2, down 1, right 1, down 1, left 2, down 1, left 1, down 2, right 2, down 1, left 3, down 1, left 1, down 2, right 2, down 1, left 1, down 1, left 2, up 2, left 1, down 2, left 1, up 3, right 2, up 1, left 1, up 1, right 1, up 1, left 3, up 1, right 4, down 1, right 1, up 3, right 1, up 1, left 1, up 1, left 1, down 3, left 2, up 3, right 1, up 2, right 5, down 1, right 2, up 1, right 1, down 1, right 3, down 1, left 3, down 1, right 3, down 2, left 2, down 2, right 1, up 1, right 1, down 3, left 1, down 1, left 1, down 1, left 1, down 4, right 1, up 1, right 2, down 1