

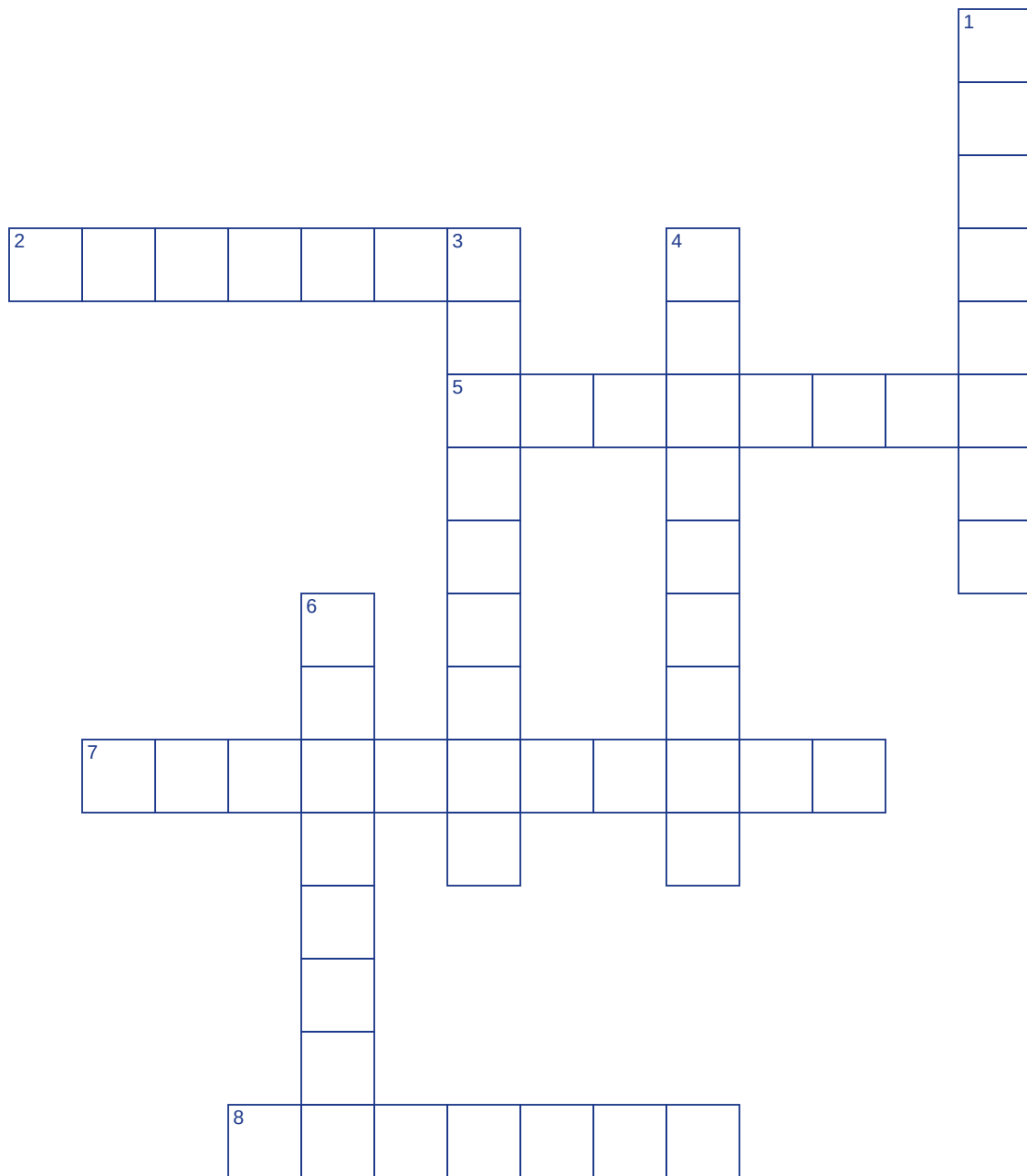
Particle Model of Matter Crossword

In Grade 5 science, you explore how matter behaves by thinking about tiny particles ([Topic](#), [Outcome](#)). The particle model explains why solids stay firm, liquids flow, and gases spread out in all directions. It also helps you understand physical properties like how tightly packed particles are and how they move. This crossword puzzle tests your knowledge of key ideas in the particle model: how particles vibrate, how matter responds to heat and pressure, and the tools and terms scientists use to describe the behaviour of solids, liquids, and gases ([Details](#), [Details](#)).

How to play

- Read each clue. Its number matches a numbered square in the grid.
- Write one capital letter in each square. There are 4 words across and 4 words down.
- Crossing words share a letter, so check it fits both. The answer key shows the finished grid.

Puzzle grid



Clues

Across

2. To move back and forth rapidly in one place. (7)
3. The force pushing on a surface divided by the area of that surface. (8)
4. A tool that measures how hot or cold something is. (11)
5. How tightly packed the mass of something is in a certain volume. (7)

Down

1. To squeeze something into a smaller space. (8)
2. The increase in size when something is heated. (9)

3. How thick or sticky a liquid is and how easily it flows. (9)
4. A tiny piece of matter that makes up all substances. (8)

Answer key

- **1 down:** COMPRESS
- **2 across:** VIBRATE
- **3 down:** EXPANSION
- **4 down:** VISCOSITY
- **5 across:** PRESSURE
- **6 down:** PARTICLE
- **7 across:** THERMOMETER
- **8 across:** DENSITY

