

Particle Model of Matter Matching Game

In Grade 5 science, you learn how tiny pieces called particles explain how matter acts in different states ([Knowledge](#)). This game helps you match important words and ideas about how particles move and arrange themselves. It also shows how they create the physical properties we see in solids, liquids, and gases ([Outcome](#)). You will connect words like particle, vibrate, density, volume, compress, liquid, solid, and movement to what they mean and real examples ([Knowledge](#), [Knowledge](#)).

How to play

You have eight pairs to match. The left column shows terms or descriptions. The right column shows definitions or examples. Draw a line to connect each item on the left to the correct match on the right. Each term matches to exactly one definition. Each definition matches to exactly one term.

Match the pairs

Column A		Column B
A. particle	_____	1. Small unit of matter
B. vibrate	_____	2. Rock or ice
C. density	_____	3. Movement of particles in solids
D. volume	_____	4. Particles are always doing this
E. compress	_____	5. Ability of gases and liquids to reduce in volume
F. liquid	_____	6. Water or juice
G. solid	_____	7. Comparison of mass to volume
H. movement	_____	8. Measured in millilitres or litres

Answer key

- **A** matches **1** (particle: Small unit of matter)
- **B** matches **3** (vibrate: Movement of particles in solids)
- **C** matches **7** (density: Comparison of mass to volume)
- **D** matches **8** (volume: Measured in millilitres or litres)
- **E** matches **5** (compress: Ability of gases and liquids to reduce in volume)
- **F** matches **6** (liquid: Water or juice)
- **G** matches **2** (solid: Rock or ice)
- **H** matches **4** (movement: Particles are always doing this)