

Particle Model of Matter Match-Up

In Grade 5 science, you investigate how the particle model of matter explains the behaviour of particles and physical properties ([Outcome](#)). The particle model tells us that all matter is made of small particles, particles are always moving, and particles have spaces between them ([Knowledge](#)). This game helps you match key terms and ideas to their meanings so you can explain how particles behave in solids, liquids, and gases ([Guiding question](#)).

How to play

1. You have eight terms on the left and eight descriptions on the right.
2. Draw a line or write a letter to match each term to its correct description.
3. Each term matches to exactly one description.
4. Check your work with the answer key when you finish.

Match the pairs

Column A		Column B
A. particle	_____	1. Squeeze into a smaller space
B. vibrate	_____	2. Motion of particles
C. solid	_____	3. Space occupied by matter
D. density	_____	4. Mass divided by volume
E. volume	_____	5. Small unit of matter
F. compress	_____	6. Shake in place
G. movement	_____	7. Matter with fixed shape
H. attract	_____	8. Pull together

Answer key

- **A** matches **5** (particle: Small unit of matter)
- **B** matches **6** (vibrate: Shake in place)
- **C** matches **7** (solid: Matter with fixed shape)
- **D** matches **4** (density: Mass divided by volume)
- **E** matches **3** (volume: Space occupied by matter)
- **F** matches **1** (compress: Squeeze into a smaller space)
- **G** matches **2** (movement: Motion of particles)
- **H** matches **8** (attract: Pull together)