

Particle Model of Matter Matching Game

In this game, you will match descriptions of how particles behave with the scientific terms that name those behaviours. The particle model of matter explains how all matter is made up of small particles that are always moving and have spaces between them ([Knowledge](#)). By connecting words like particle, vibrate, density, volume, compress, liquid, movement, and arrangement to what they mean, you will strengthen your understanding of how particles explain the properties of solids, liquids, and gases ([Outcome](#)).

How to play

1. Look at the eight terms in the left column.
2. Read each description in the right column.
3. Draw a line or write the letter to match each term to its correct description.
4. Check your answers using the answer key.

Match the pairs

Column A		Column B
A. particle	_____	1. A small unit of matter
B. vibrate	_____	2. Motion of particles in matter
C. density	_____	3. Reduce in volume under pressure
D. volume	_____	4. Space occupied by matter
E. compress	_____	5. Organization of particles in matter
F. liquid	_____	6. Matter that flows and takes the shape of its container
G. movement	_____	7. Comparison of mass to volume
H. arrangement	_____	8. Move rapidly back and forth

Answer key

- **A** matches **1** (particle: A small unit of matter)
- **B** matches **8** (vibrate: Move rapidly back and forth)
- **C** matches **7** (density: Comparison of mass to volume)
- **D** matches **4** (volume: Space occupied by matter)
- **E** matches **3** (compress: Reduce in volume under pressure)
- **F** matches **6** (liquid: Matter that flows and takes the shape of its container)
- **G** matches **2** (movement: Motion of particles in matter)
- **H** matches **5** (arrangement: Organization of particles in matter)