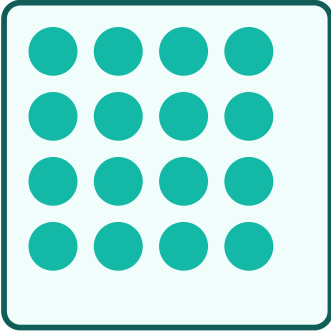


Solid, Liquid, Gas

2nd Grade

The three states with particle pictures and everyday examples.

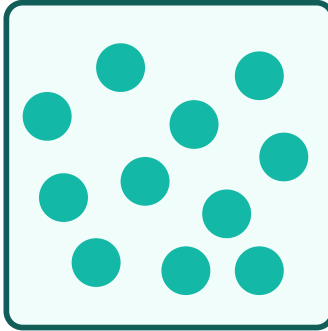
SOLID



- Keeps its own shape
- Keeps its own size
- Particles locked in place

ice • rock • wood

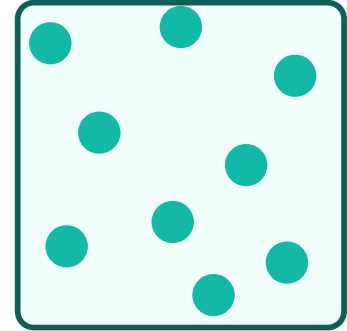
LIQUID



- Takes the shape of the cup
- Keeps its own size
- Particles slide past each other

water • milk • oil

GAS



- Fills the whole container
- Spreads out
- Particles fly apart, fast

steam • air • helium

CHANGING STATE — add heat or take it away

Melting

solid → liquid

add heat

ice becomes water

Freezing

liquid → solid

take heat away

water becomes ice

Evaporating

liquid → gas

add heat

a puddle disappears

Condensing

gas → liquid

take heat away

mist on a cold window

THE BIG IDEA Same stuff throughout — only the particle speed changes.