

STATES OF MATTER

Increasing
Energy



	SOLID	LIQUID	GAS
Shape			
Volume			
Compressibility			
Packing			
Particle Movement			
Particle Order			
Particle Energy			
*IMF			

*IMF = intramolecular forces: physical forces holding particles together

There are two states of matter in addition to the three in the table above. What are these two states of matter? Which state is at lower energy than solids? Which state is at higher energy than gases?

Phase changes either absorb energy, making them _____, or release energy, described as _____. The six phase changes are:

Absorb Energy

- ① _____ (solid → liquid)
- ③ _____ (liquid → gas)
- ⑤ _____ (solid → gas)

Release Energy

- ② _____ (liquid → solid)
- ④ _____ (gas → liquid)
- ⑥ _____ (gas → solid)