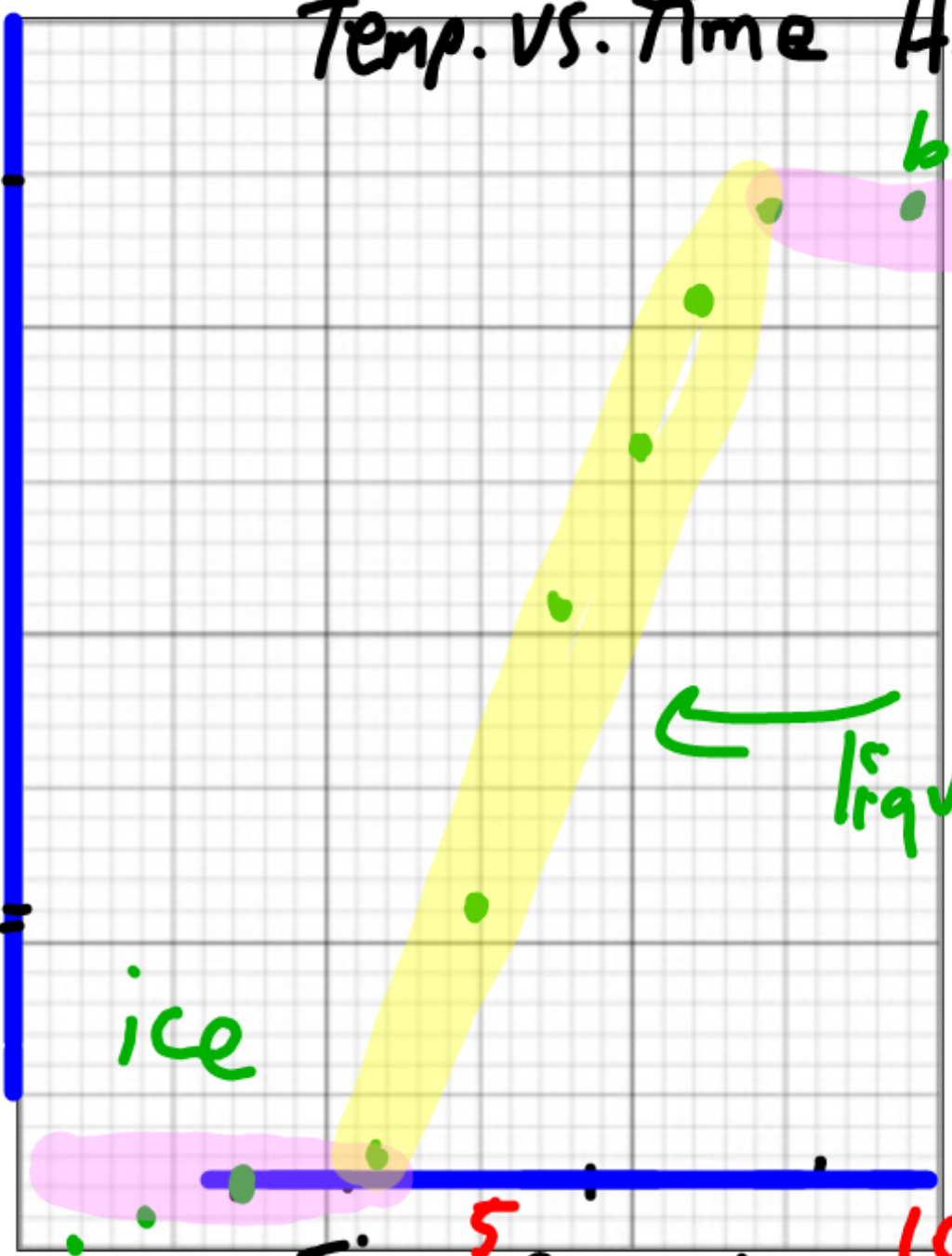


Temp. vs. Time H₂O

Temperature °C
100
75
50
25



ice

boiling

liquid

Time minutes
5 10

Word	Meaning	Pic
Physical Δ	Δ shape	
Chemical Δ	Δ substance	
Endothermic	heat in	
Exothermic	heat out	
Solid	keep same Vol. + shape	
Crystalline	repeating structure	
amorphous	no definite shape	

liquid

same Vol. different shape



Surface tension

molecules pulling inwards



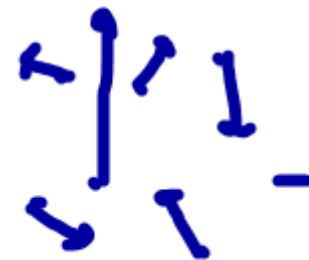
viscosity

resistance to flow



gas

fill whole container



Melting

Freezing

Vaporization

Evaporation

Condensation

Solid \rightarrow liquid

liquid \rightarrow solid

liquid \rightarrow gas

liquid \rightarrow gas on
a surface

gas \rightarrow liquid



Mass
 Volume
 Density
 H₂O →
 Sublimation †

stuff inside

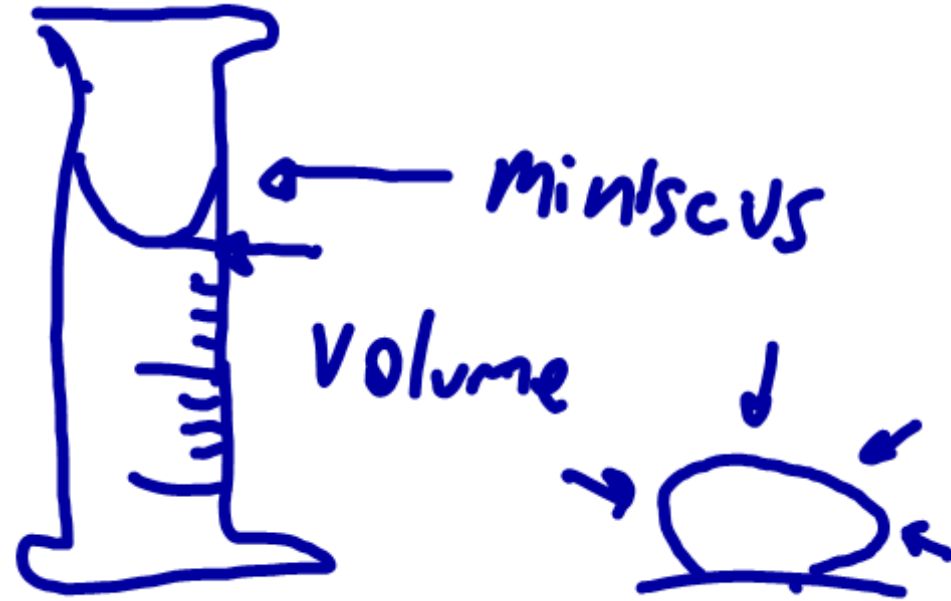
Size
 $\rho = \frac{m}{V}$ g/ml or kg/L
 1 g/ml or kg/L
 Water = 1
 Solid → gas



Water is like
a magnet

Surface
tension

electro-
negative
force



Graduated
cylinder