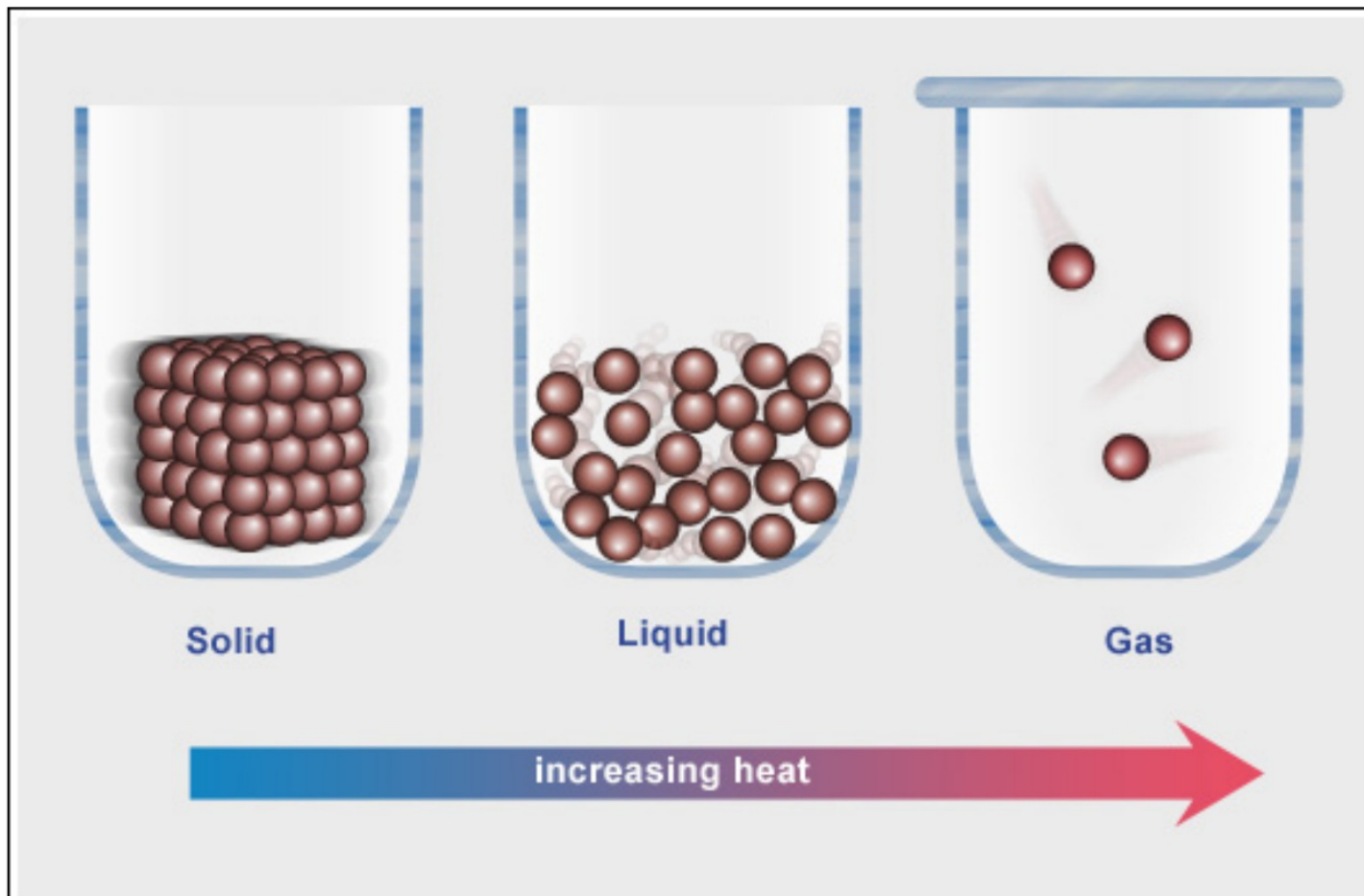


# Goes in notebook



Solids are rigid because their particles can't overcome the attractive forces locking them in place. Particles in a liquid have enough energy to move more freely, so they can slosh about and need containing. Gas particles have enough energy to completely overcome the attractive Van der Waals forces – they need a container with a lid.