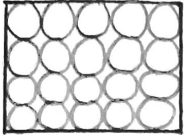
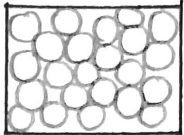
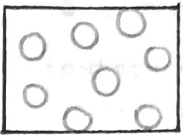
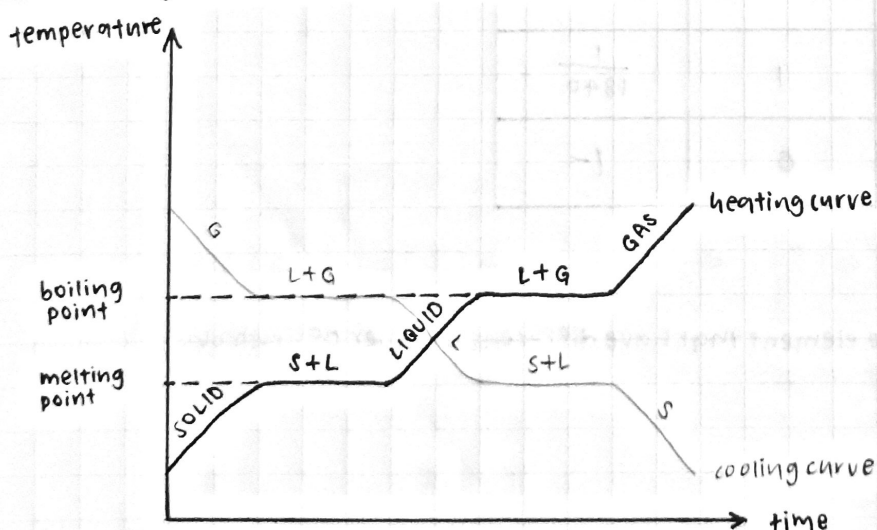


KINETIC PARTICLE THEORY

property	solid	liquid	gas
structure			
arrangement	◦ closely packed ◦ neat & orderly	◦ closely packed ◦ disorderly ◦ less closely than in solid	◦ disorderly ◦ very far apart
movement	◦ vibrate about fixed positions	◦ slide past each other	◦ move randomly, rapidly in all directions
shape	◦ fixed shape	◦ no fixed shape	◦ no fixed shape
volume	◦ fixed volume ◦ cannot be compressed	◦ fixed volume ◦ cannot be compressed	◦ no fixed volume ◦ can be compressed

CHANGE OF STATE



- parts of the graph remain constant during a change in state
- this is because heat is taken in to overcome the intermolecular forces of attraction