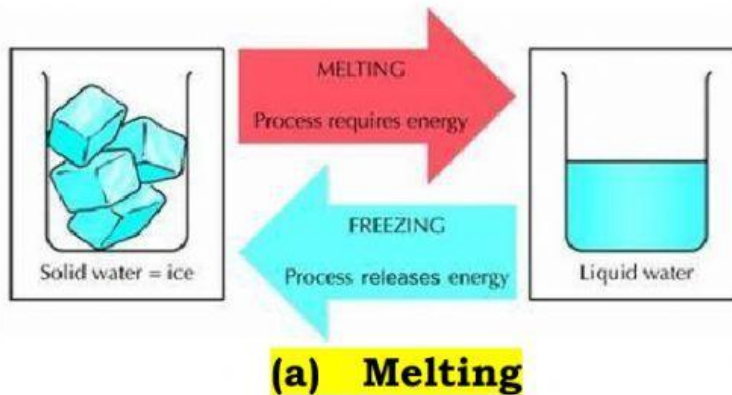


Question 2. Explain the following processes in terms of **phase change** and **molecular motion**.



Molecules in solid phase are in a . The movements of the molecules are restricted to . When a solid heat, the molecules vibrate faster.

At a certain temperature – the melting point, the kinetic energy of the molecules is strong enough to the attractive forces. The molecules start to and are no longer confined to fixed position, thus solid turns to liquid.

However, kinetic energy of the molecules in this phase is not strong enough for them to move far away from one another. They are still in contact and just past one another.