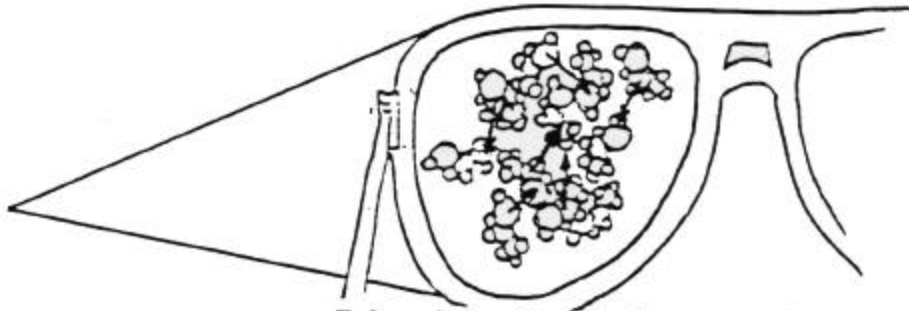
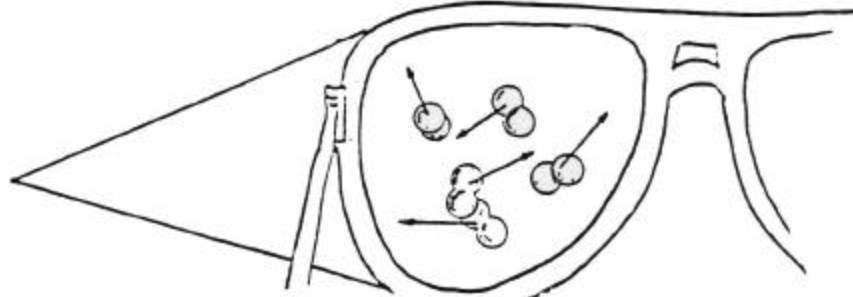


Solid sugar: molecules are locked in a rigid pattern and vibrate in place.



Liquid alcohol: molecules slide and bump past each other, but stay close together.



Oxygen gas: molecules are far apart and move freely in space. They sometimes hit each other.