

INTERNATIONAL EXERCISES: STATE OF MATTER

12. Draw an Arrhenius diagram for the correct statement for the stated case.

(a) The gas behaves as a diatomic gas (molecular gas).

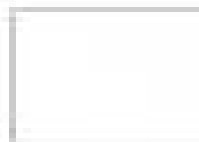
(b) There are 4 particles, they are not in different states.

(c) Liquid there is different states and in different orders.

(d) Condensation is the process by which liquid transforms into solid.

(e) Melting is the process by which solid transforms into liquid.

13. Draw Arrhenius diagram in the three different states.



14. Fill in the blanks:

(a) _____ is the total kinetic energy of liquid molecules in gas. During this process, particles gain _____ to move randomly and _____.

(b) The shape of a liquid depends on the _____ and the volume of the liquid is _____.

(c) The particles in a _____, because of the attractive forces, they are free to _____ and they don't have definite _____.

(d) Freezing of _____ is the process by which a _____ turns into a _____.