Quiz 8.1 - Intermolecular Forces and Gases

Name: Kens

Question 1

State the strongest intermolecular force exhibited by each molecule:

CH,CO,H

Lordon dipole/ Lordon H-bords dipole/ Lordon

Question 2

Which substance in each pair would have the highest melting point and boiling point:





CH₃CH₂CH₂CH₃/CH(CH₃)₃

Question 3

Draw and describe the two features that a substance must have to be capable of forming H-bonds

H-donor

Ouestion 4

List the five postulates of the kinetic molecular theory:

1) Gas particles are in constant random motion
2) No Intermole Culor forces

3) Volume of particles = p

5) Collizions are elastic

4) Average KE & T Question 5

Complete the following pressures into atm

0 224 mmHg 1 ortm = 0.295 otm

0 65 millitorr | Torr | Latm = 8.6.10 -5 atm

Question 6

Convert 1.25 atm to torr

1.25atm | 760 Torr = 950 Torr = 9.50.102 Torr