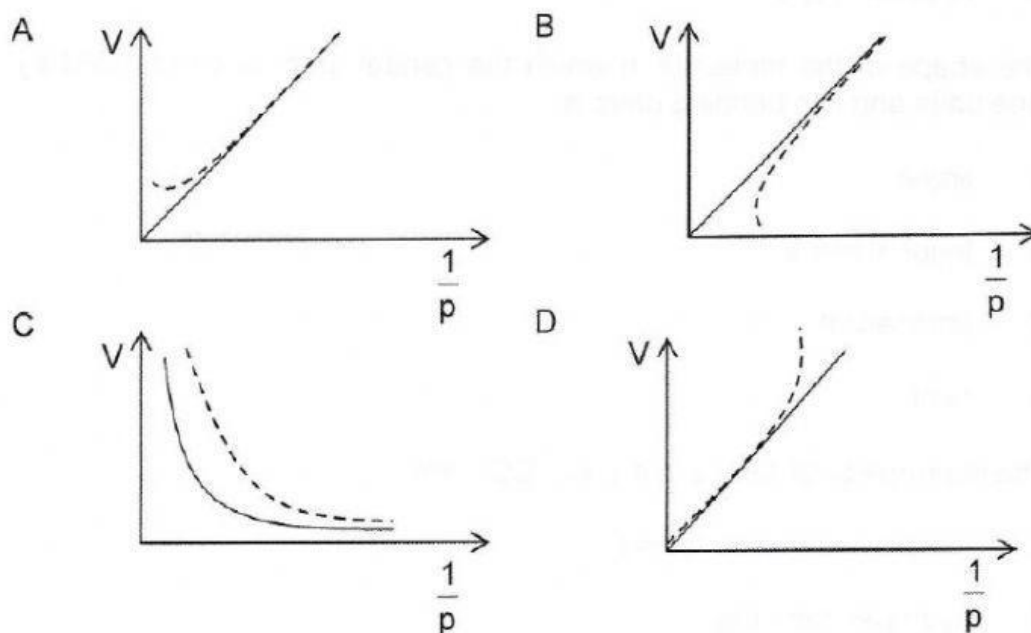


5. Which ONE of the graphs below CORRECTLY represents the deviation of a real gas from ideal gas behaviour at very high pressures? The dotted line represents the graph of the real gas.



6. One mole of any gas occupies the same volume at the same temperature and pressure.

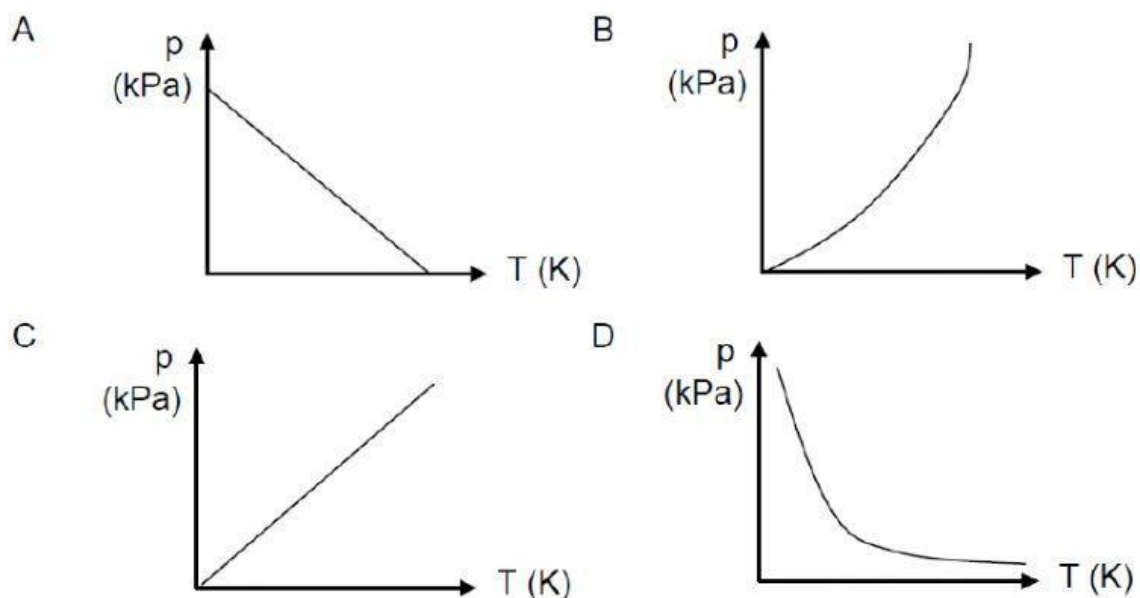
This statement is known as ...

- A Charles's law.
 B Gay Lussac's law.
 C Avogadro's law.
 D the ideal gas LAW.
7. One mole of a gas, SEALED in a container, has volume V at temperature T and pressure p . If the pressure is increased to $3p$, the ratio between the volume and temperature ($V : T$) is ...
- A $1 : \frac{1}{3}$
 B $3 : 1$
 C $\frac{1}{3} : 3$
 D $1 : 3$

8. In order to double the volume of a fixed amount of moles of an enclosed gas, the temperature in ... at constant pressure.

- A $^{\circ}\text{C}$ can be doubled
- B K can be doubled
- C $^{\circ}\text{C}$ can be halved
- D K can be halved

9. The graph that CORRECTLY represents the relationship between the pressure (kPa) and the temperature (K) of an enclosed gas at constant volume is ...



Homework question

Pg 325 Q6

Pg 330 Q4