

## Self Assessment

1. Rotary vane pump is a \_\_\_\_ pump.
2. In a rotary pump, spring loaded exhaust valves expel \_\_\_\_.
3. In \_\_\_\_ a metered amount of non – condensable gas is admitted at the high pressure side.
4. \_\_\_\_ is best suited for high mass flow rates.
5. In a kinetic pump, \_\_\_\_ is used in expelling gas molecules.
6. TMPs operate in \_\_\_\_\_ regime.
7. Diffusion pump, TMP are coupled with \_\_\_\_ pump.
8. \_\_\_\_\_ of oil is a common problem in diffusion pumps.

## Answers

1. Positive displacement
2. Compressed gas
3. Gas ballast
4. Roots pump
5. Kinetic energy
6. Free molecular flow
7. Backing pump
8. Back streaming