

## Self Assessment

1. The vapor to liquid volume ratio for a general cryogen is \_\_\_\_\_.
2. The liquid boils off continuously due to \_\_\_\_\_.
3. \_\_\_\_\_ is calculated based on all possible modes of heat transfer.
4. In an expanded foam, gases that are used are \_\_\_\_\_.
5. In an expanded foam, the heat is transferred only by \_\_\_\_\_.
6. With the decrease in mean cell diameter, the solid conduction path \_\_\_\_\_ in the foam insulation.
7. In a Gas – Filled powder insulation, fill – gas should be \_\_\_\_\_.
8. \_\_\_\_\_ does not require any medium.

## Answers

1. 175
2. Heat in leaks
3. Apparent thermal conductivity
4. CO<sub>2</sub> and Freon
5. Conduction
6. Increases
7. Unreactive
8. Radiation