

## Self Assessment

1. Cryogenic Instrumentation should be capable of \_\_\_\_\_ operation from outside.
2. The heat release in sensors is due to \_\_\_\_\_ .
3. Measurement of temperature is based on \_\_\_\_\_ of thermodynamics.
4. Thermocouple works on \_\_\_\_\_ effect.
5. The Seebeck effect is highest for \_\_\_\_\_ type.
6. Resistance of a conductor \_\_\_\_\_ with a decrease in temperature.
7. RTDs are preferred upto \_\_\_\_\_, due to linear variation.
8. Errors are less in \_\_\_\_\_ arrangement, as compared to Two wire arrangement.

## Answers

1. Remote
2.  $i^2R$  losses
3. Zeroth law
4. Seebeck
5. E
6. Decreases
7. 30 K
8. Four wire