

Self Assessment

1. Cryocooler operates on a _____ cycle.
2. MTBF stands for _____.
3. The units of cooling effect are _____.
4. Solid boundary exists in _____ heat exchanger.
5. _____ is the heat exchange medium in regenerative heat exchanger.
6. Mechanical expander is used in _____ cycle.
7. In Stirling cooler, _____ is important between piston and displacer motions.
8. Mechanical displacer is absent in _____ cryocooler.
9. Efficiency of G–M cooler is _____ than Stirling cooler.
10. Vibrations are absent in _____ cryocooler.

Answers

1. Closed
2. Mean time between failure
3. $\text{mw}, (\text{W})/\text{K}$
4. Recuperative
5. Matrix
6. Brayton
7. Phase shift
8. Pulse tube
9. Less
10. Joule Thomson