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. \( m_w, (W)/K \)
4. Recuperative
5. Matrix
6. Brayton
7. Phase shift
8. Pulse tube
9. Less
10. Joule Thomson