

Self Assessment

1. Non –metals are classified into _____ and _____.
2. _____ forces unite the different polymer molecules in plastics.
3. The atoms in a metal are arranged in _____.
4. The Ultimate Strength of materials _____ with decrease in temperature.
5. _____ metal is mostly preferred in cryogenic applications.

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6. Thermal agitation in molecules is _____ proportional to temperature.
7. _____ failure occurs when materials are subjected to fluctuating loads.
8. _____ is used in manufacturing of flexure bearings.
9. _____ governs the impact strength of a material.
10. _____ property of the material decreases with decrease in temperature.

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11. _____ material cannot be used at low temperatures.
12. _____ crystal structures are most preferred in cryogenic applications.

Answers

1. Glasses, Plastics
2. Van der Waals
3. Symmetrical crystal lattice
4. Increases
5. Stainless steel
6. directly
7. Fatigue
8. Beryllium – Copper alloy
9. Lattice structure

Answers

10. Percentage elongation

11. Carbon steel

12. FCC