

1. <b>AC</b>	alternating current	19. <b>fibre</b>	a slender thread of a natural or synthetic material, such as optical or carbon fibres
2. <b>alloy</b>	a mixture of two or more elements, at least one of which is a metal usually formed by melting	20. <b>friction</b>	the resistance to the relative motion (sliding or moving) between surfaces in contact
3. <b>anneal</b>	to heat to a critical temperature and slowly furnace cool to remove internal stress	21. <b>heat treatment</b>	a term applying to any of several processes involving heating metals to controlled temperatures for specific periods of time before cooling them at controlled rates
4. <b>annealed glass</b>	glass produced by slow cooling to remove internal stress; it can be cut to size	22. <b>impedance</b>	a measure in an AC circuit that is equivalent to resistance in a DC circuit
5. <b>austenite</b>	a non-magnetic solid solution of carbon in iron	23. <b>inductor</b>	a piece of equipment providing inductance (electromagnetic induction) in a circuit or other system
6. <b>capacitor</b>	a device consisting of two conducting surfaces separated by an insulator for accumulating and holding an electric charge when voltage is applied	24. <b>inertia</b>	the tendency of a body to persist in its state of rest or uniform (unaccelerated) motion in a straight line unless acted upon by a net (unbalanced) external force
7. <b>cementite</b>	a hard, brittle iron carbide compound with the formula Fe <sub>3</sub> C, found in carbon steel		
8. <b>coefficient of friction</b>	the dimensionless ratio of the friction resistive force and the normal force pressing two bodies together		
9. <b>condition monitoring</b>	a series of tests undertaken while machinery is operating to assess conformance within specified operating criteria		
10. <b>conductor</b>	a substance, body or device capable of transmitting electricity, heat or sound		
11. <b>crashworthiness</b>	a vehicle manufactured in such a way that it is capable of withstanding the effects of a crash		
12. <b>crumple zone</b>	an area of a vehicle that is designed to compress during an accident to absorb the energy from the impact		
13. <b>DC</b>	direct current		
14. <b>diode</b>	a semiconductor device that can act as a conductor if current is moving in one direction or as an insulator when moving in the reverse direction		
15. <b>duralumin</b>	the trade name of an aluminium alloy containing varying degrees of copper, manganese and magnesium		
16. <b>eutectoid</b>	the lowest point on an equilibrium phase diagram at which complete transformation from one solid phase to another occurs		
17. <b>ferrite</b>	body centred cubic (BCC) phase in the iron-carbon phase diagram which may exist in either a low temperature or high temperature form		
18. <b>ferrous</b>	iron based		