ACROSS

1. An engine which uses supersonic air from the atmosphere mixed with fuel to propel itself is called a _______. (8)
6. A pressure change of _______ kPa/min is the maximum that should be permitted for military aircraft if otitic or sinus barotrauma is to be avoided. (8)
7. Pelvis rotation and forward sliding under the lap straps of a restraint system is called _____. (11)
10. DCS, barotrauma, and _______ are the major risks during a high altitude high opening jump. (7)
11. Increase in severity of symptoms on administration of oxygen to correct hypoxia may occur due to a phenomenon called oxygen ____. (7)
15. Mulder’s constant is a product of ______ and time. (12)
17. During ascent, the reduction in atmospheric pressure creates a condition whereby the tissue inert gas tension is greater than the total atmospheric pressure. This situation is called __________. (15)
18. Fatal injury means any injury which results in death within _____ days of an aircraft accident. (6)
19. Somatogravic illusions are attributed to effects of forces on ______ organs. (8)
20. The laboratory determination of lactic acid in the _____ may provide confirmation of hypoxia in an aircraft accident. (5)

DOWN

2. Skin symptoms, however, may present with the appearance of mottled or marbled skin lesions in DCS; this condition is also referred to as cutis _______. (9)
3. Rotational vertigo, nausea, vomiting, and ataxia which occurs if the pressure difference between the two middle ears exceeds a critical level is called _______ vertigo. (12)
4. A typical Night Vision Goggle works on the principle of image _____. (15)
5. During the Gulf War II, U.S. Marines called in an air strike due to apparently seeing a large enemy combat force moving out to attack them which resulted in no enemy assets being destroyed. This call for air strike was due to _______ illusion. (11)
8. Low backache attributed to lumbosacral transitional vertebra is called as ______ syndrome. (10)
9. Pinching of nose and swallowing to open the eustachian tube is called _____ manoeuvre. (7)
12. One of the physiological requirements of an oxygen system call for the dilution of oxygen and sufficient nitrogen to prevent the consequences of breathing 100 per cent oxygen continuously is to prevent acceleration _______. (11)
13. Peggy Whitson holds the record for the most ______ by a woman. (10)
14. The spirals of air that trail off the tips of an airplane’s wings also contribute to drag. These wing tip effect steal energy from the motion of the airplane, creating ______ drag. (6)
16. L in the HELP position stands for _______. (9)