1. Wind shear is a change of wind speed of direction in a very ____________ 11-2

2. Low level wind shear magnitude change of 8 to 11 knots is considered Strong and ____________ is considered severe. 11-2/3

3. A METAR report that reads /RMK LLWS -15KT SFC to 030 DURC means the wind shear resulted in a loss of ____________ during climb-out between the ____________ and ____________.11-3

4. Wind shears are associated with any type of ____________, ____________, ____________ and ____________.11-4

5. A downdraft is a concentrated ____________ ____________ of air that flows outward in all directions from the base of convective storms 11-4

6. A Microburst is a commonly used term to describe any ____________ - ____________ downdraft that produces ____________ wind shear conditions 11-5

7. The lifetime of a micro burst is from ____________ and can result in wind changes that create hazards to aircraft because the ____________ occurs over a very short distance. The average microburst lasts about ____________ 11-5

8. If an aircraft is flying toward a microburst downdraft, initially the air movement will be a significant ____________. As the aircraft flies through the microburst, the wind will change to a significant ____________. 11-7

9. Pilots should avoid flying under any type of ____________ even if the pilot can see through to the ____________ of the thunderstorm 11-7/11-9

10. If there is thunderstorm activity in the vicinity of an airport, aircraft flying in the vicinity of the airport should expect ____________ activity and the pilot should expect ____________ ____________ and ____________ on approach 11-8

11. ____________ is an indication of a microburst in dry conditions. If there is virga, the vortex ring may occur at surface and will be indicated by a ____________ at surface 11-9

12. Frontal zone wind shear will always occur over the top of the ____ air. If the front is a Warm Front, the critical period of time for LLWS is ____ the front passes 11-11

13. Air mass shear occurs at night under fair conditions and in the ____________ of strong winds or strong surface ____________ gradients 11-12

14. An inversion wind shear can occur anytime the wind speed between ____________ and ____________ feet above the surface is at least _____________. 11-13