FFGS & Weather Forecasting



مسالا:

Strong mesoscale upward forcing will occur where: . A Low level winds diverge B
 Two low level convergence boundaries intersect C Frontolysis occurs D
 The temperature and moisture gradient are reduced The tendency for a forecast model to make the same mistake each time similar weather conditions set-up for a particular region is termed a model: A Deviation BD Error c**口** Bias D Mistake ____ pressure systems tend to cover a larger spatial area. AD High B**D** Low Rain can not occur if instability is not present. AD True BD False x 18. A ridge is a region of _____ __and _ A Higher heights and warmer temperatures C Lower heights and warmer temperatures B
 Higher heights and colder temperatures D
 Lower heights and colder temperatures Air will _____along frontal boundaries AD Diverge B^D Converge As more precision in time and space for a forecast is required below the synoptic scale, forecast models tend to A More accurate B
 Less accurate (Statement 1) Two different forecasters can draw very different conclusions from the same forecast data. (Statement 2) It is important to communicate the forecast completely, coherently and correctly. A Statement 1 and Statement 2 are both false B Statement 1 and Statement 2 are both true C
Statement 1 is true and Statement 2 is false D
 Statement 1 is false and Statement 2 is true A bow echo is produced by: A
Storms developing along a cold front B A line of storms encountering abundant moisture C
Strong winds aloft entering the backing side of a squall line D
 The merging of two supercells This on radar indicates a flooding potential: A Consistently heavy rain C
 Very intense slow moving thunderstorms BD Training of storms D d. All of the above All of the following will exacerbate the flash flood potential except: A Snow melt C^{II} Saturated soil BD Dense vegetation D
 Training of thunderstorms What is a trigger mechanism? A It is a process that prevents precipitation or storms from occurring B
 It is a sounding that has a region of positive CAPE C
 It is any process that initiates precipitation or storm development D
 It is in reference to Omega forcing from either low level divergence or upper level convergence Higher CIN values, ____ the likelihood of convective storms. 26 AD lower BD higher CAPE is used to assess (Choose the best answer): 27 A Hail potential C
 Updraft strength B
 Thunderstorm potential D All of the above nstability release in a thundersnow situation usually occurs from: A Surface based convection CD Fronts B^D Dynamic lifting DD Elevated convection The difference between stratiform and convective precipitation is: A Instability release C
 Warm moist air in the lower troposphere B
 Forced lifting D
 Wind shear