



**1** If in a **FROST HOLLOW**, cooled air is **below** dew point temperature, then  will occur (ie:  at ground level). This is likely to form .

**2** If it also cools below 0°C, then condensation will be in the form of .

If there is a gentle wind and very high  and/or a high density of  in the air, then there will be a great deal of  which will take place over several metres depth of air on the . This is called  fog (or  if it is not very dense).

**3** This form of fog tends to occur in low lying land because of the  hollow effect, near streams of lakes because of the high  and in urban areas where  causes many particles in the air (known not as fog but as ).

**4** If the night is cloudy, the  temperature range will be LARGER/SMALLER because outgoing terrestrial radiation is  back to earth at night, maintaining the temperature. This will cause  fog to be more LIKELY/UNLIKELY and the frost hollow effect to be MORE/LESS extreme.