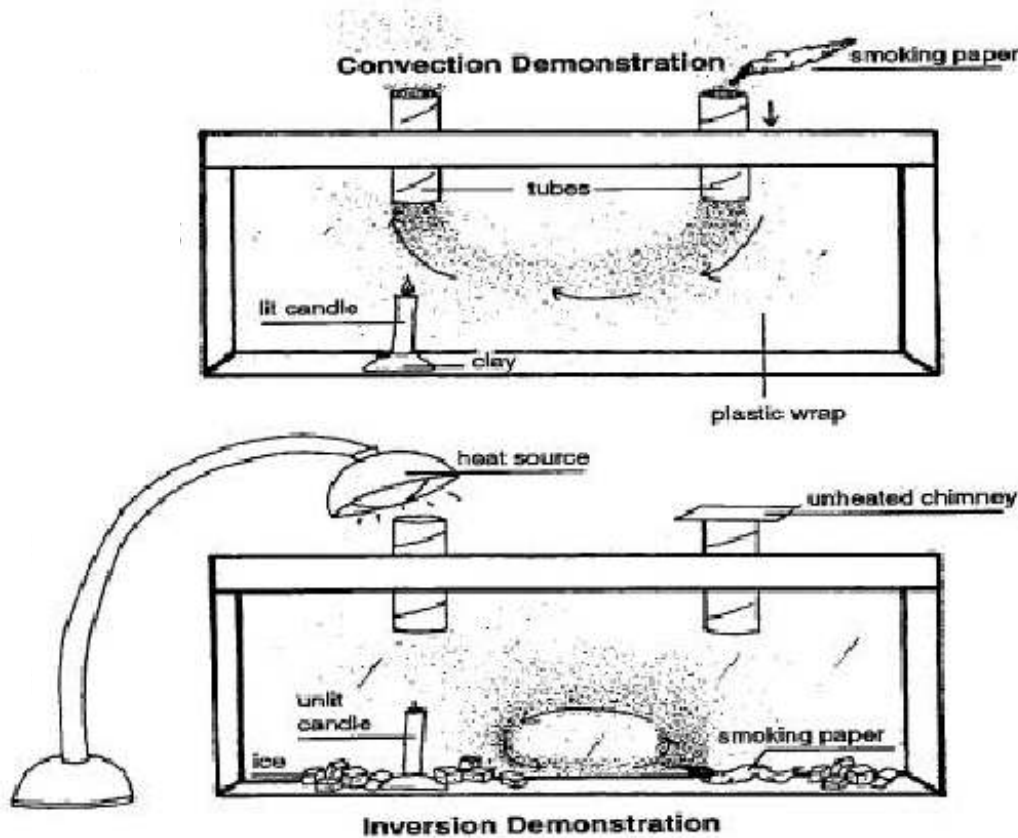


Convection and Inversion Demonstration Set-Up

For use with: What's The Connection between Convection and Inversion? :
Convection Currents and Temperature Inversion



1. Take the top off the shoebox and lay the box on its side. Cut two holes in the top side of the box (one at each end), just large enough for two paper towel tubes. Push the tubes into the holes and seal the openings with tape in order to ensure an airtight seal. You have just made two paper towel tube chimneys.
2. Set a candle in a clay base under one of the paper towel tube chimneys, pressing the clay firmly into place to hold it tight. The candle should be at least 2 inches lower than the chimney. (Make sure the wick is exposed and upright.)
3. Cover the open side of the box with clear plastic wrap. Tape the plastic wrap to the front of the box, forming an airtight seal.

Image from: <http://www.airinfonow.org/pdf/CurriculaConvectionWithGraphic.PDF>