

Meteorology

Objective		
1. Explain how air masses move (pressure differentials).		
2. Explain how interactions of air masses form frontal boundaries, clouds, and affect wind patterns. Note: Also address precautions for severe cyclonic storms to preserve life and property.		
3. Explain factors that affect air density and understand their influence on winds, air masses, fronts and storm systems.		
4. Use data to substantiate explanations and provide evidence of various air mass interactions. Note: Also address precautions for severe cyclonic storms to preserve life and property.		
5. Observe, analyze and predict weather using technological resources.		
6. Interpret and analyze weather maps and relative humidity charts.		
7. Explain the importance of water vapor and its influence on weather (clouds, relative humidity, dew point, precipitation). Note: Use predictions to develop plans for safety precautions related to severe weather events.		