



Determining Dew Point

Procedure

1. Partially fill a **metal can** with **room-temperature water**. Dry the outer surface of the can.
2. Place a **stirring rod** in the water.
3. Slowly stir the water and add small amounts of **ice**.
4. With a **thermometer**, note the exact water temperature at which a thin film of moisture first begins to form on the outside of the metal can. Record in the table below.
5. Repeat steps 1 through 4 two more times.
6. The average of the three temperatures at which the moisture begins to appear is the dew point temperature of the air surrounding the metal container.

Data and Observations

	Temperature (°C)
1	
2	
3	
Dew Point	

Analysis

1. What determines the dew point temperature?

2. Will the dew point change with increasing temperature if the amount of moisture in the air doesn't change? Explain.
