Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER



CLASS – 7

SOCIAL SCIENCE

Exploring Society : India and Beyond

CH–2
Understanding the Weather

Part – 4

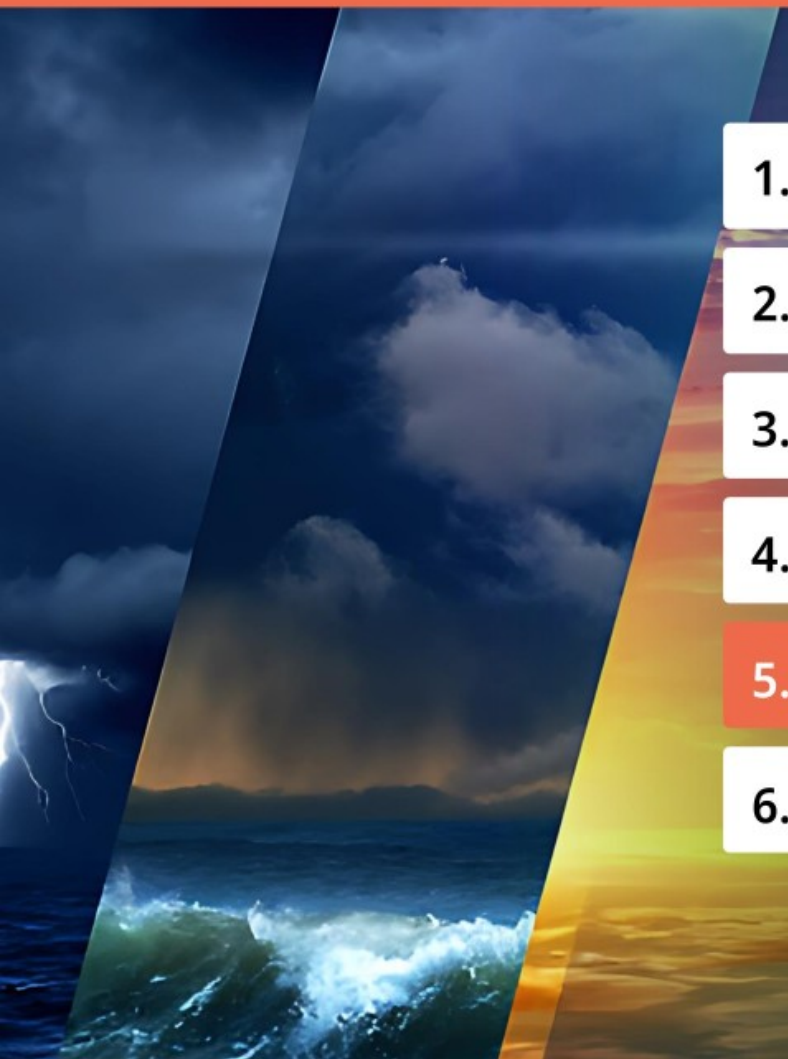
Humidity

Sukhdeep Kaur

Under CSR Support by
ipca | Foundation

OVERVIEW

missiongyan
LET'S LEARN TOGETHER



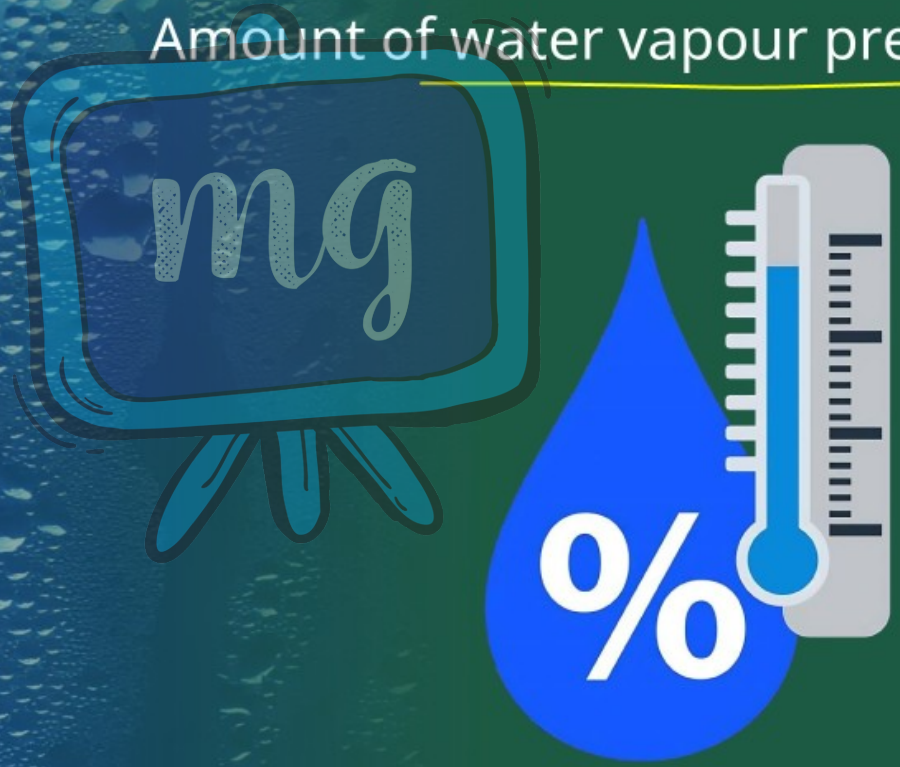
1. Weather and its Element
2. Observing Nature's Clues
3. Weather Instrument : Temperature, Precipitation
4. Weather Instrument : Atmospheric Pressure, Wind
5. Weather Instrument : Humidity
6. Weather Station

Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER

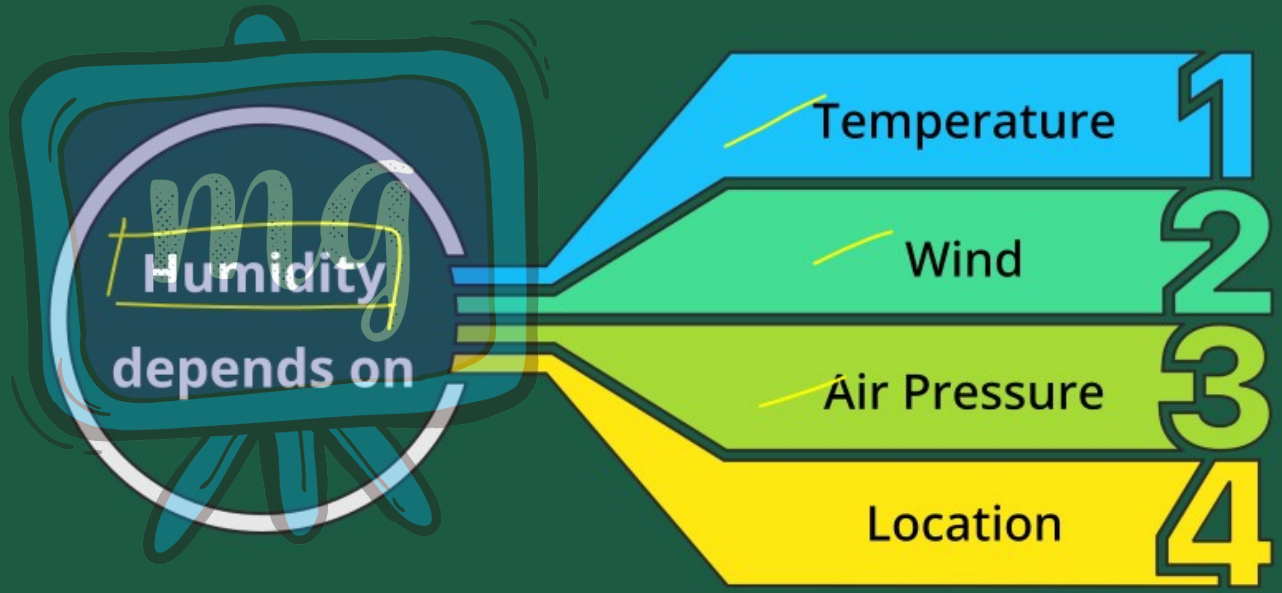
HUMIDITY

Amount of water vapour present in the air.



Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER

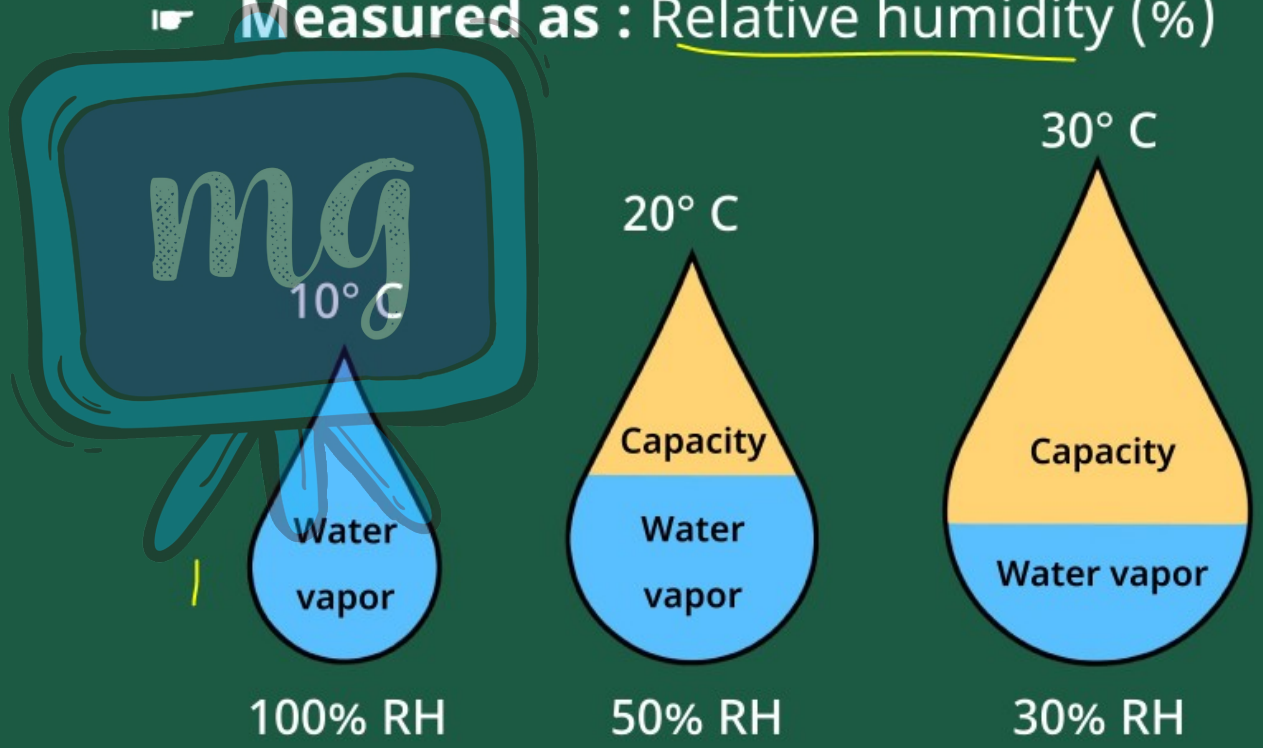


Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER

Relative Humidity (RH)

☛ **Measured as :** Relative humidity (%)



Under CSR Support by
ipca | Foundation

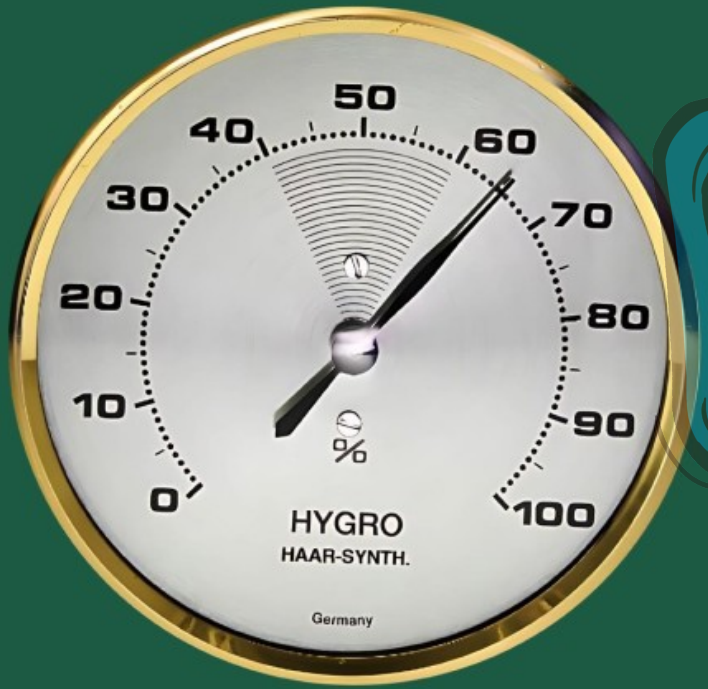
missiongyan
LET'S LEARN TOGETHER



- **0% Relative Humidity :** Air with no water vapour (not possible in nature).
- **100% Relative Humidity :** Air is fully saturated with water vapour.
- **Typical Ranges**
  - Dry Weather : 20% – 40% Relative Humidity
  - Humid Weather : 60%– 80% Relative Humidity

Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER



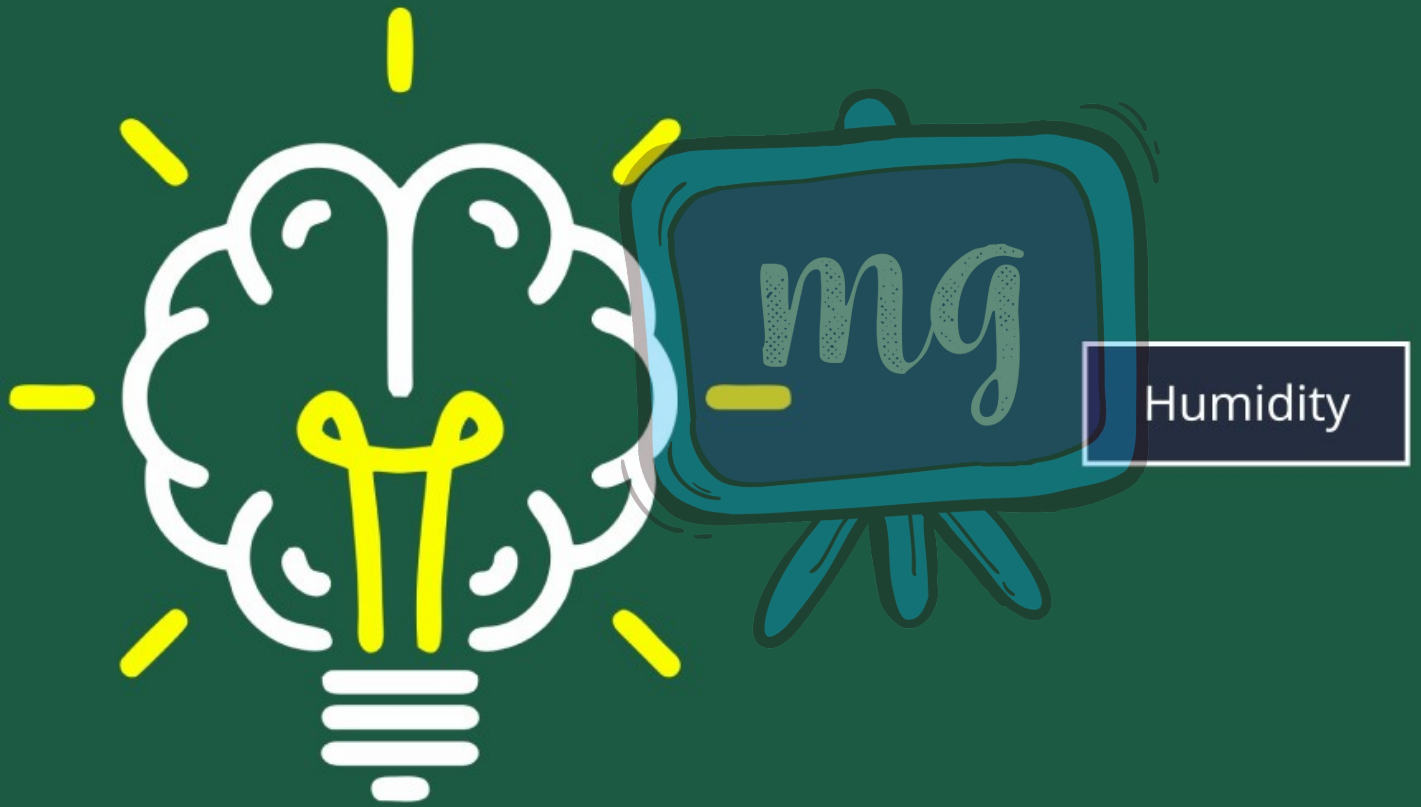
Hygrometer

- Used to measure humidity.
- **Types :** Several types, based on different principles.
- **Importance of Measurement :**
  - Industrial use : e.g. food processing
  - Museums : To maintain dry conditions and protect exhibits.

Under CSR Support by ipca | Foundation

LEARNING OUTCOME

missiongyan LET'S LEARN TOGETHER





1 Which instrument is used to measure humidity?

A Barometer

B Anemometer

C Hygrometer

D Thermometer



2 Where is monitoring humidity especially important?

A Cinemas and theatres

B Factories and schools

C Industries and museums

D Roads and bridges



3 What is the term used to express humidity in percentage?

A Atmospheric humidity

B Relative humidity

C Vapour index

D Moisture factor