



**G.D.GOENKA PUBLIC SCHOOL, SRINAGAR**

**Subject: Social Science**

**Aspect: Supported**

**Topic: Weather And Climate**

**Date: 30-08-2021**

**Name:** .....

**Grade/Sec.:** VII.....

**Learning Objectives: Children will learn about**

- Difference between weather and climate.
- Temperature of atmosphere.
- Atmospheric pressure
- Types of wind

**Topic:**

**What Is Precipitation?**



**Precipitation is water in its different states, which form after condensation turned water vapour into its liquid or solid form, which falls to the ground after it becomes too heavy to stay suspended in the air.**

**Precipitation can take the form of rain, snow, hail, or graupel.**

Precipitation is primarily the result of evaporation and condensation.

**Instrument For Measuring Rainfall**

**A rain gauge is the instrument used to measure rainfall.** It is essentially a measured container that captures rain and measures the amount that falls over a set period of time.

## 6) Visibility

Visibility may seem like a very unlikely element of weather but it is especially important when discussing & measuring weather conditions like fog, mist, freezing drizzle, and [smog](#).

### What Is Visibility?



**Visibility is the measurement of the degree through which an object can be observed over a certain distance.**

**This measurement is crucial when conditions like mist, haze, fog, and freezing drizzle are present, which can severely impede visibility.**

The importance of the ability to measure this element is often underestimated. It is especially applicable in areas where visibility plays a crucial role, like airports and harbours, where it can literally be a matter of life or death.

### Instrument For Measuring Visibility

**Visibility sensors like the "forward scatter sensor" are the instruments used to measure visibility.** In the past, using your own vision (*eyes*) to measure the degree to which you can observe an object was the standard.