# Lesson 4: Match the equipment with the descriptions, then use this to complete the table.

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| Thermometer icon weather sign Royalty Free Vector Image |  | Rain Gauge  Precipitation is water falling from the sky.  Measures the amount of rainfall in mm. Not only does a rain gauge measure rainfall, but also all other forms of precipitation |
| A simple wind vane indicates wind direction | Thermometer  Temperature means how hot or cold it is.  It is usually measured with a thermometer in degrees centigrade(ºC) |
| Sensors measure and record humidity | Campbell stokes recorder  Sunshine is light and warmth from the sun.  A Campbell Stokes Recorder measures sunshine.  This type of recorder is made up of a glass ball which concentrates sunshine on to a thick piece of card. The sunshine then burns a mark on the card which shows the number of hours of sunshine in the day. |
| A rain gauge measures (go on...guess!) the amount of rainfall | Weathervane  Wind direction is where the wind is blowing from.  Measures wind direction by pointing towards North, East, South or West**.** |
| Barometers measure atmospheric pressure | Barometer  Pressure is a measure of the force exerted by air.  Pressure is measured with a barometer in millibars (mb). |
| A Campbell Stokes recorder measures sunshine | Anemometer  Wind speed is how fast the wind is blowing. An anemometer measures wind speed in mph.  The most common type looks like a toy windmill. The faster the wind blows the faster the cups spin around. The wind speed is shown on a dial, just like a car's speedometer. |
| Anemometers measure wind speed | Hygrometer  A hygrometer measures temperature and humidity. It measures humidity as a percentage. It measures the relative humidity of the air through evaporation. It has two thermometers, and it measures the amount of evaporation.  Humidity is the amount of water vapour in the air. |

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| **Weather term** | **Definition** | **Usually given in** | **Instrument used** |
| Temperature | How hot or cold it is. | Degrees centigrade | Thermometer |
| Precipitation |  |  |  |
| Humidity |  |  |  |
| Wind Speed |  |  |  |
| Wind direction |  |  |  |
| Sunshine |  |  |  |
| Air Pressure |  |  |  |