

# WEATHER TOOLS & INSTRUMENTS

## READING COMPREHENSION PASSAGES

Name \_\_\_\_\_ Date \_\_\_\_\_

### Weather Tools and Instruments

Every day, the weather changes. Some days are sunny and warm, while others bring clouds, wind, or rain. To understand why these changes happen, people use tools like weather, called meteorologists, use special instruments to collect information from the air, soil, and sea. These instruments help them measure things like temperature, wind speed, clouds, and air pressure.

With this information, meteorologists can make forecasts that help us prepare for different kinds of weather.

#### How Weather Tools and Instruments Are Grouped

People group different weather tools by what they measure.

- **Temperature Tools**

These are tools that measure how hot or cold it is. When you hear that it's 75 degrees outside, that number comes from a temperature tool. The most common instrument in this group is the thermometer.

- **Wind Tools**

These are tools that measure how fast the wind blows and the direction it comes from. Common tools include anemometers and wind vanes. Wind is an important part of the weather because it can move heat from place to place, which helps to shape the kind of weather you experience.

- **Windification Tools**

These are tools that measure how much rain or snow falls from the sky. These instruments are important for farmers, gardeners, and anyone who wants to know how much water the land getting. Examples include rain gauges and snow gauges.

- **Air Pressure and Fog Tools**

These are tools that measure things that are not directly visible to you, such as air pressure, humidity, and cloudiness. Examples include barometers, hygrometers, and fog sensors.



Without weather instruments, predicting the weather would be mostly guessing. When scientists combine the data from all these tools, they can better understand patterns in nature and make more accurate forecasts.

Name \_\_\_\_\_ Date \_\_\_\_\_

### Weather Tools and Instruments

#### 1. Anemometer

Anemometers are used to measure wind speed and direction. They are often mounted on a pole or a tower. Some anemometers also measure air pressure.



Name \_\_\_\_\_ Date \_\_\_\_\_

### Weather Tools and Instruments

#### 2. Wind Vane

Wind vanes are used to measure wind direction. They are often mounted on a pole or a tower. Some wind vanes also measure wind speed.



Name \_\_\_\_\_ Date \_\_\_\_\_

### Weather Tools and Instruments

#### 3. Hygrometer

Hygrometers are used to measure humidity. There are several types of hygrometers, including mechanical, electronic, and psychrometric. They are often used in weather stations and in agriculture.



Name \_\_\_\_\_ Date \_\_\_\_\_

### Weather Tools and Instruments

#### 4. Weather Station

Weather stations are used to measure a variety of weather conditions, including temperature, wind speed, wind direction, humidity, and air pressure. They are often used in weather forecasting and in research.



**With Short Answer & Multiple Choice Questions & Answer Keys**

# Directed Reading Section Weather Instruments

**R Barnett**



**Directed Reading Section Weather Instruments:**

## Whispering the Secrets of Language: An Mental Quest through **Directed Reading Section Weather Instruments**

In a digitally-driven world where displays reign supreme and quick conversation drowns out the subtleties of language, the profound secrets and emotional nuances hidden within words often go unheard. Yet, set within the pages of **Directed Reading Section Weather Instruments** a charming literary value pulsing with organic emotions, lies a fantastic quest waiting to be undertaken. Penned by an experienced wordsmith, that enchanting opus encourages visitors on an introspective journey, delicately unraveling the veiled truths and profound affect resonating within the fabric of each and every word. Within the psychological depths of the poignant evaluation, we shall embark upon a sincere exploration of the book is core styles, dissect their charming publishing type, and fail to the strong resonance it evokes deep within the recesses of readers hearts.

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