

Using the information on pages 8–9 of the book, fill in the blanks with the name of the weather prediction center in each location. Use information found in the book and research online to briefly explain why each location is important or unique.



①

②

③

④



## True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Meteorologist*, verify whether the following information is true or false. Check your answers in the book. List the page number where you found your information beside your answer.

- |             |  |                                |             |                      |
|-------------|--|--------------------------------|-------------|----------------------|
| Statement 1 | <input type="text" value="NOAA meteorologists run five different types of weather satellites."/>   | <input type="checkbox"/> True  | Page Number | <input type="text"/> |
|             |  | <input type="checkbox"/> False |             |                      |
| Statement 2 | <input type="text" value="Thermometers measure air temperature."/>   | <input type="checkbox"/> True  | Page Number | <input type="text"/> |
|             |  | <input type="checkbox"/> False |             |                      |
| Statement 3 | <input type="text" value="French philosopher Aristotle wrote a book about weather."/>  | <input type="checkbox"/> True  | Page Number | <input type="text"/> |
|             |  | <input type="checkbox"/> False |             |                      |
| Statement 4 | <input type="text" value="Meteorologists must be willing to report the weather as it is happening, even if it means they might get cold or wet."/> | <input type="checkbox"/> True  | Page Number | <input type="text"/> |
|             |  | <input type="checkbox"/> False |             |                      |
| Statement 5 | <input type="text" value="Some meteorologists work for television and radio stations."/>   | <input type="checkbox"/> True  | Page Number | <input type="text"/> |
|             |  | <input type="checkbox"/> False |             |                      |



Using information found in the book, name each tool shown below and describe how it is used.



Name

Description












Use the information found in *Meteorologist* to help you complete the following activity.

1. Robert Fitzroy created the first weather  in 1861. It helped sailors avoid bad weather at sea.
2. Meteorologists at the National Oceanic and Atmospheric Administration (NOAA) warn people about .
3. Spinning the bottle in a circle makes a . That is how a tornado forms in nature.
4. An  measures how fast the wind is blowing.
5.  are filled with sand or soil. When stacked, they block the flow of flood waters.
6. Weather  float into the atmosphere. They send data back to meteorologists.



Using information from the book, select an answer from the right and write the letter in the box beside the statement.

At this hour, the meteorologist writes a new Tropical Cyclone Public Advisory.

**A. 2.4**

From 1970 to 2012, weather, climate, and water-related events caused this many trillion dollars in damage.

**B. 8**

Clint Youle gave the first televised weather forecast on television in the United States in this year.

**C. 900**

There are more than this many NOAA weather stations. They measure weather conditions up to 288 times a day.

**D. 67**

The average daily temperature in Quito, Ecuador is around this many degrees Fahrenheit (19 degrees Celsius) every day of the year.

**E. 1949**



# Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word.

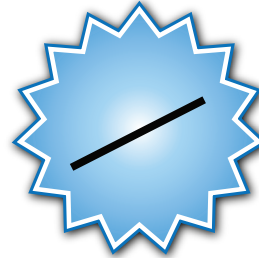
NAME

DATE

## KEY WORDS

- |                |                                  |
|----------------|----------------------------------|
| atmosphere     | mercury                          |
| climate change | plywood                          |
| data           | predict                          |
| detect         | radar                            |
| elements       | satellites                       |
| experiments    | severe                           |
| evacuation     | Tropical Cyclone Public Advisory |
| forecasts      | ultraviolet (UV)                 |
| internship     | vortex                           |

Your Score is



**%**

\_\_\_\_\_

- to tell about something that has not happened yet
- to discover the presence of something
- tests used to discover or prove something
- predictions about future weather
- the layer of air and gas that surround Earth
- radiation from the Sun that can cause damage to the skin and eyes
- objects or spacecraft that orbit Earth, the Moon, or another planet
- the removal of people from a dangerous place
- a strong board made of many thin sheets of wood
- a heavy liquid element that changes based on temperature
- facts about something, often number-related
- substances made from one type of atom
- changes in Earth's weather patterns
- a position in which a student learns how a specific job works
- a mass of spinning fluid or air
- a device that measures a change in sound or light waves to track how severe a storm is
- causing great pain or distress
- a written warning about an ocean storm or hurricane meant to help people prepare for dangerous weather conditions



STEM Careers

Meteorologist

Reference: All Pages

## Quiz

Test your knowledge by answering these quiz questions.

NAME

DATE

**1** How many NOAA weather stations are there?

**2** What does a barometer measure?

**3** What is the average salary of a meteorologist with no experience?

**4** What is the first step in the scientific method?

**5** What is climate?

**6** When did Aristotle write a book about weather?

**7** How many meteorologists work for the NWS?

**8** What is the job title of a person who studies climate change?

**9** When was radar first used to track weather?

**10** What program helps people prepare for national disasters ahead of time?

