

Make a Hygrometer and Measure Humidity

Name: _____

Date: _____

Student quiz — *Answer Key*

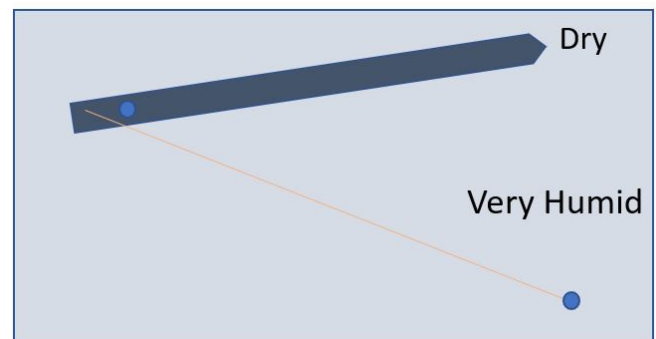
Directions: Indicate the correct answer(s) for each question below.

1. Select the correct statement. Only **one** is correct.

- a. A hygrometer measures how much rain fell.
- b. A hygrometer measures how much water vapor is in the air.
- c. A hygrometer measures the weather.
- d. A hygrometer measures how strong the wind blows.

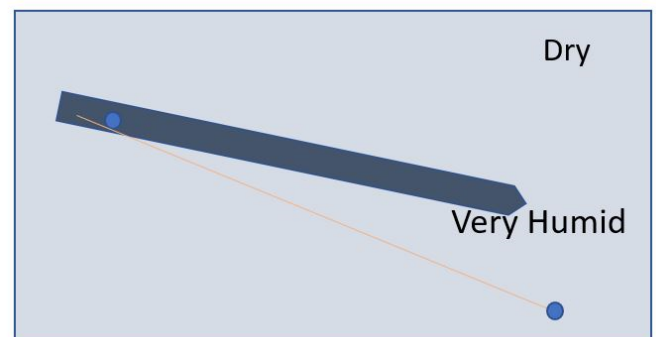
2. Circle **all** situations for which you expect a hygrometer reading as shown in picture 1.

- a. A dry day in the countryside.
- b. A foggy day in the forest.
- c. A day on the ocean.
- d. A day in a dry dessert.



3. Circle **all** situations for which you expect a hygrometer reading as shown in picture 2.

- a. A dry day in the countryside.
- b. A foggy day in the forest.
- c. A day on the ocean.
- d. A day in a dry dessert.



Make a Hygrometer—Page 2

Answer Key

Student quiz

Directions: Answer the questions below.

4. Circle **all** processes that make the humidity increase.

- a. Condensation
- b. Evaporation
- c. Breathing out
- d. Breathing in

5. A pot filled with a lot of water is left cooking for some time in a kitchen. All doors and windows are closed. Your hygrometer stands in the kitchen.

- a. Explain what you think will happen.

Use the words: **humid** or **humidity** and **to evaporate** in your explanation.

Some of the water in the pot evaporates. It becomes water vapor. Because all doors and windows are closed, this vapor stays inside the kitchen, and the humidity in the room increases.

- b. Explain or draw how the hygrometer will change.

The pointer of the hygrometer will move down, towards “Very Humid.”