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Lesson: Measuring Weather

Name:

Teacher:

Date:

Measuring Weather – Anemometer Worksheet

Instructions: Choose the correct answer to each question.

1. What does an anemometer measure?
 - a) Temperature
 - b) Rainfall
 - c) Wind speed
 - d) Air pressure
2. Which part of the anemometer spins when wind blows?
 - a) Pencil
 - b) Cups
 - c) Tape
 - d) Straws
3. Why is it important to measure wind speed?
 - a) To know how cold it is
 - b) To predict weather and storms
 - c) To measure rainfall
 - d) To check air pressure
4. Which instrument measures air pressure?
 - a) Thermometer
 - b) Rain Gauge
 - c) Barometer
 - d) Anemometer
5. If your cup completes 12 rotations in 30 seconds, what is the RPM?
 - a) 12
 - b) 24
 - c) 36
 - d) 48
6. Which instrument measures temperature?
 - a) Barometer
 - b) Thermometer
 - c) Rain Gauge
 - d) Anemometer
7. Which instrument measures rainfall?
 - a) Thermometer
 - b) Anemometer



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- c) Rain Gauge
 - d) Barometer
8. What happens if the cups of an anemometer are not balanced?
- a) It will spin faster
 - b) It may not spin correctly
 - c) It measures temperature instead
 - d) Nothing happens
9. Why should multiple trials be recorded when using an anemometer?
- a) To make it look better
 - b) To get more reliable data
 - c) To test the tape strength
 - d) To see how colorful the cups are
10. Which of the following is **not** a weather instrument?
- a) Thermometer
 - b) Compass
 - c) Barometer
 - d) Anemometer



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Answer Key

1. c
2. b
3. b
4. c
5. b ($12 \times 2 = 24$ RPM)
6. b
7. c
8. b
9. b
10. b