

Grade 5 Reading Comprehension Challenge

Worksheet Set 027

Grade 5 · Reading Comprehension · Challenge

Name: _____ Date: _____

Read the passage carefully. Then answer all 8 questions using details from the text.

Testing a Flood Alert Sensor

During early spring, Uri joined a study at the river engineering lab to evaluate a model flood alert sensor.

The team marked 10 samples with dates and locations so later comparisons would use the same evidence.

Researchers collected observations with a water channel and calibrated depth scale and wrote the measurement conditions beside every result.

Before drawing a conclusion, the group checked unusual values and repeated one observation with a second reader.

The combined evidence showed that the sensor warned early but failed when leaves covered its inlet.

Because one comparison alone could not explain every difference, the team recorded a limitation in its report.

After discussing that limitation, Uri recommended that the group add a screen and repeat the blocked-inlet test.

The final report linked each claim to its source data so another team could evaluate the reasoning.

Questions

Return to the passage and write a short, text-based answer for each item.

1. In "Testing a Flood Alert Sensor", where did Uri join the study?

2. In "Testing a Flood Alert Sensor", what was the study designed to do?

3. In "Testing a Flood Alert Sensor", how many samples did the team mark?

4. In "Testing a Flood Alert Sensor", which tools or records supported the observations?

5. In "Testing a Flood Alert Sensor", how did the group check an unusual value?

6. In "Testing a Flood Alert Sensor", what did the combined evidence show?

7. In "Testing a Flood Alert Sensor", what action did Uri recommend?

8. In "Testing a Flood Alert Sensor", why did the report link each claim to source data?

Answer Key

Each answer below is supported by a sentence in the passage.

1. river engineering lab	2. evaluate a model flood alert sensor
3. 10	4. a water channel and calibrated depth scale
5. repeated one observation with a second reader	6. the sensor warned early but failed when leaves covered its inlet
7. add a screen and repeat the blocked-inlet test	8. so another team could evaluate the reasoning