

Grade 5 Reading Comprehension Challenge

Worksheet Set 045

Grade 5 · Reading Comprehension · Challenge

Name: _____ Date: _____

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

Monitoring Heat in a Beehive

During early autumn, Maya joined a study at the agricultural science lab to interpret temperature changes in a beehive.

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

Researchers collected observations with wireless sensors and activity counts 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 internal heat stayed steady even as outdoor temperature fell.

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

After discussing that limitation, Maya recommended that the group compare the pattern when the colony is less active.

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 "Monitoring Heat in a Beehive", where did Maya join the study?

2. In "Monitoring Heat in a Beehive", what was the study designed to do?

3. In "Monitoring Heat in a Beehive", how many samples did the team mark?

4. In "Monitoring Heat in a Beehive", which tools or records supported the observations?

5. In "Monitoring Heat in a Beehive", how did the group check an unusual value?

6. In "Monitoring Heat in a Beehive", what did the combined evidence show?

7. In "Monitoring Heat in a Beehive", what action did Maya recommend?

8. In "Monitoring Heat in a Beehive", why did the report link each claim to source data?

Answer Key

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

1. agricultural science lab	2. interpret temperature changes in a beehive
3. 10	4. wireless sensors and activity counts
5. repeated one observation with a second reader	6. internal heat stayed steady even as outdoor temperature fell
7. compare the pattern when the colony is less active	8. so another team could evaluate the reasoning