



Making a Statement Answer Key

About this activity: In this activity, students are given two real-time electricity use graphs and several statements about the graph set. They are asked to discuss each statement with a partner, one at a time, to determine which statements are accurate. Students often find it challenging to differentiate between statements that can be made based on evidence found in data and statements that are made by making inferences from the data or from their own beliefs about the data. In addition to providing an opportunity for students to practice evaluating statements made about investigation data, this exercise allows students to practice linking the data to the claim made in the statement.

Statements 1, 4, 7, and 10 are accurate statements about the graphs. The remaining statements are ambiguous and/or would require one to make inferences or overgeneralizations.

This activity follows the Data Match strategy outlined in *Science Formative Assessment FACTS: 75 Practical Strategies for Linking Assessment, Instruction, and Learning* by Page Keeley.