

Scientific Method Review

Name: _____ Date: _____

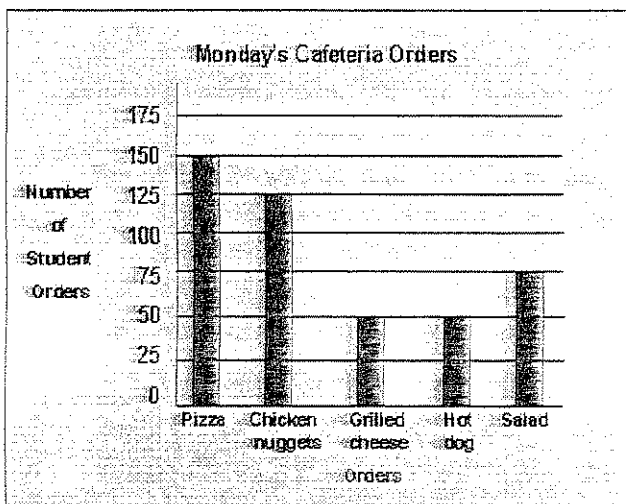
Match It! – Read each definition below. Write if the matching word next to the definition. Use the word bank for help.

| | | | |
|-----------------------------|--------------------------|-------------------|---------------------------------|
| independent variable | constant variable | conclusion | qualitative observation |
| dependent variable | hypothesis | experiment | quantitative observation |
| inference | research | data | |

1. _____: the part of the scientific method that you test your hypothesis
2. _____: observations based on numbers
3. _____: an educated guess about the results of an experiment
4. _____: the one thing a person changes on purpose during an experiment
5. _____: a summary of what you learned from an experiment
6. _____: a temporary explanation to help us make sense of our observations
7. _____: information collected throughout the experiment
8. _____: observations based on your five senses
9. _____: the things in the experiments that must stay the same in order to have a fair experiment
10. _____: the factor of the experiment you're watching or measuring
11. _____: to study or look into a subject further

Apply It! – Read each question and then write the correct answer on the line.

Use the bar graph below for questions 12 – 14.



12. Which order made the cafeteria the most amount of money according to the graph?

13. How many students ordered a grilled cheese and a hot dog?

14. Look at the table below. Which order is incorrectly matched to the number of student orders? Circle it.

| Number of Orders | Order |
|------------------|-----------------|
| 125 | Chicken nuggets |
| 50 | Hot dog |
| 150 | Pizza |
| 60 | Grilled cheese |
| 75 | Salad |