

## Nature of Science Poster Statements

1. More bushels of potatoes will be produced if the soil is fertilized more.
2. Five groups of rats are fed identical diets except for the amount of Vitamin A that they receive. Each group gets a different amount. After 3 weeks on the diet, the rats are weighed to see if the amount of Vitamin A received has affected their weight.
3. An experiment was done with six groups of children to see if scores on their weekly spelling tests were affected by the number of minutes of spelling practice they had each day.
4. Will the number of nails picked up by an electromagnet be increased if more batteries are put in the circuit?
5. The amount of algae growth in lakes seems to be directly related to the number of bags of phosphate fertilizer sold by the local merchants.
6. An investigation was performed to see if corn seeds would sprout at different times depending on the temperature of the water in which they were placed.
7. The heights that balls bounced when dropped different distances were measured.
8. Students in a science class carried out an investigation in which a flashlight was pointed at a screen. They wished to find out if the distance from the light to the screen had any effect on the size of the illuminated area.
9. The number of pigs in a litter is determined by the weight of the mother pig.
10. The time it takes to run a kilometer depends on the amount of exercise a person gets.
11. The higher the temperature of water, the faster an egg will cook.
12. An investigation was done to see if keeping the lights on for different amounts of time each day affected the number of eggs chickens laid.
13. Grass will grow taller if it is watered a great deal and fertilized.
14. If the amount of calcium chloride added to the water increases, the temperature of the water increases.
15. The amount of pollution produced by cars was measured for cars using gasoline containing different amounts of lead.
16. Lemon trees receiving the most water produced the largest lemons.
17. The time it takes to run a marathon is improved by consuming large quantities of carbohydrates the day before the race.
18. A graduate student wanted to know if drinking 5 cups of coffee would allow him to get more work done in a shorter period of time.
19. Are test scores related to eating a healthy breakfast?
20. Getting to go out with your friends on Friday is dependent on doing all of your chores for the week.

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Nature of Science Poster Assignment

For your (groups) statement include the following information on the front of your poster:

- Statement number.
- Statement
- Hypothesis
- Control group
- Experimental group
- Independent variable
- Dependent variable
- At least five controlled variables

Additional qualities to include on poster:

- Good use of space
- Good use of color
- Good organization of information
- Clear labeling of information
- Creativity
- Neatness
- Clear and legible handwriting
- Spelling

Additional information to include on front of poster:

- Name(s) of student(s)
- Date
- Period