

Name : _____

Topic: Science – Scientific Investigation

DIRECTIONS: Read the situation below. Answer the questions.

1. Andrew wanted to know if the pepper in his food is the one that is making his food spicy. He cooked the food in two ways: one without the pepper and another one with the pepper. What is/are the dependent variable(s) in this experiment?

2. Marla wanted to know whether the type of cooking oil (palm oil, peanut oil, vegetable oil) has an effect on how fast the fried chicken will cook. What would be a possible hypothesis for this experiment?

3. Principal Litton wanted to find out whether soft classical music played during study period will help his students do better in the exam. He grouped the students in two. Group A was made to study in a room without soft classical music. Group B was made to study in a room with soft classical music played. What are the variables in this experiment?

Independent Variables: _____

Dependent Variables: _____

Controlled Variables: _____

4. Norman is investigating whether the placement of his plants in the house affects its growth. He placed one plant beside the window in the living room and placed the other beside his bedside table. How would he state the problem in his experiment? What could be a possible hypothesis for his experiment?

Problem: _____

Hypothesis: _____