

Hypothesis Practice Worksheet

When providing the best possible answer to the following questions please apply all learned scientific techniques and procedures, do not use abbreviations, use proper scientific terminology, show work for all mathematical calculations, use all significant figure and scientific notation rules, apply S.E.E.C. writing strategies, and note that at all times spelling counts. Your ability to meet these and all established classroom expectations, including labeling of BINs, providing heading information, and your ability to follow directions may be included in computation of grade.

Write a testable hypothesis for these situations:

1. Mom and I were baking a cake for my sister's birthday. We didn't have any baking powder. The recipe said to add one teaspoon of baking powder to the cake batter. Since that's such a small amount we baked the cake anyway without the baking powder. We were very disappointed when the cake came out of the oven flat instead of fluffy. We think maybe we needed to add the baking powder.
2. The Acme Cleansers Company wants to do some advertising for its new anti-bacterial kitchen cleaner. The advertising executives want to run some tests that show that their new product is better than the current best-selling brand of kitchen cleaner.
3. Officer Jump at Cooper High School is concerned that there might be an accident either in the parking lot or on Longbranch Road just outside of the school. It seems that students are speeding out of the parking lot when their classes are over. Officer Jump wonders if Mr. Wilson should ask the Boone County Sheriff's Office to station a patrol car near the exit at the end of the school day.

4. Mrs. Averett's Advanced Topics class is in charge of filling the bird feeders at Central Park. You notice that the nuthatches seem to prefer to eat at the sunflower seed feeder more than they eat at the mixed seed feeder.
5. Ms. Manley's cat just had six kittens. There's a new kitten chow on the market that claims to be healthier for young kittens. Ms. Manly has raised kittens before and fed them a different brand of food. She would like to find out for herself if the new brand is better.