

Free download Drops on a penny lab answer key (PDF)

take a guess how many drops of water can fit on one side of a penny part a perform a control test for comparison with later results step 1 rinse a penny in tap water and dry completely exploring water drops on a penny is a fantastic science experiment for kids because it s simple and fascinating by placing drops of water onto a penny kids can observe how the water beads up and forms a dome like shape defying gravity during the penny lab we were required to count the maximum number of drops of water each side of a penny could hold we placed a dry penny on a piece of damp sponge and used a pipette to drop water on the heads side of the penny until the water spilled over during the penny lab we were required to count the maximum number of drops of water each side of a penny could hold we placed a dry penny on a piece of damp sponge and used a pipette to drop water on the heads side of the penny until the water spilled over initial observation observe surface tension by seeing how many drops of water can fit on a penny experimental question how does soap affect the water s surface tension develop a hypothesis that answers the experimental question use pennies soap and a pipette to conduct a lab on the surface tension of water this lab is intended to reinforce the principles of the scientific method developing a hypothesis testing a hypothesis and analyzing data the purpose of this lab is to see the steps of the scientific method in action you will make a hypothesis and perform an experiment to see how many drops of water can fit on a penny you will then get results and make conclusions based on the results materials penny dropper piece of paper container of soap container of water introduction the question we were trying to answer for this lab is what is the percent copper of a post 1983 penny from 1959 to 1982 copper made up 95 of pennies while tin and zinc made up the remaining penny lab answer key a 7th grade environmental science 1 the independent variable in this experiment was the side of the penny 2 the dependent variable in this experiment was the number of drops on a penny 3 surface tension is what makes water dome on the penny one characteristic of radioactive material is that radioactive isotopes spontaneously give off particles this process called radioactive decay changes the nucleus of the material the length of time it takes for half of a sample of radioactive material to decay is called the half life study with quizlet and memorize flashcards containing terms like what is an alloy low zinc brasses contain how much zinc and how do they form how much zinc do yellow brasses contain and more when plain water is dropped on a penny water molecules strongly attract one another and the resulting surface tension is high this is observed by the bubble like shape formed by the water as more drops are added to the penny s surface be sure to complete your data table including observations from the lab and include answers to the following questions what was the original appearance of the penny before you began the lab what happens to the pennies when they are placed in the nacl vinegar solution study with quizlet and memorize flashcards containing terms like what was the purpose of the penny lab how will copper be changed in terms of its properties zinc naoh and more science is all about asking questions and finding answers so just to help you begin to think try to answer the question above for starters take a guess how many drops of water do you think will fit on a penny write down your estimate materials 1 lincoln penny 1 eye medicine dropper supply of tap water paper towels pencil and penny drop lab experimental question which side of a penny will hold more water materials penny dropper bottle with water paper towel procedure 1 observe penny then place on paper towel on flat surface 2 fill in your prediction hypothesis 3 drop water on the heads side of the penny and count the number of drops tokyo disneyland pressed pennies tokyo disneyland has been extremely enthusiastic about pressed penny machines they first offered only three disney souvenir coins in 1996 by 2007 in just that one year over 130 new coins were issued calculate the density of a penny given that the mass is 2 g and the volume is 0 ml show your work with the correct units and number of significant figures a advantage it gives better information to calculate it with greatest number of significant penny the flower dome was worth the price of admission alone one of the highlights of tokyo date of experience may 2024 ask millineryman about teamlab planets tokyo thank millineryman this review is the subjective opinion of a tripadvisor member and not of tripadvisor llc steps to the half life penny lab learn with flashcards games and more for free

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