

The Gold Rush Demonstration Worksheet

Data Table

	Penny 1	Penny 2
Year of the penny		
What color did the penny turn when mixed with granular zinc and zinc chloride solution?		
What is the color of the second penny upon heating?		

Post-Lab Questions

1. Research the composition of pennies. What was the composition of each of your pennies prior to treatment?

2. Why is it necessary that the pennies be thoroughly cleaned before beginning this activity?

3. After the pennies were dipped in the granular zinc/zinc chloride solution they had a silver-colored coating. This was not actually due to the presence of silver, what was the silver coating?

4. Unfortunately, the copper pennies were not turned to real gold. What is responsible for the golden coating?