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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?

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