

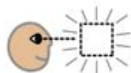
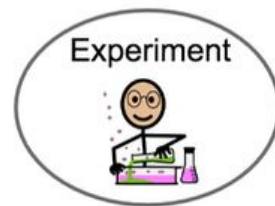


NEED



experiment

Can You Make a Penny Disappear?



2 pennies



2 (9-oz) clear cups



$\frac{3}{4}$ C water



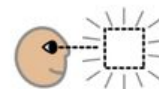
What We Know:

- A pencil looks like it is bent in a cup of water.
- Water can change how something looks.



Step 1: Ask a Question

- Can you make a penny disappear?



Step 2: Make a Guess / Hypothesis

I think...

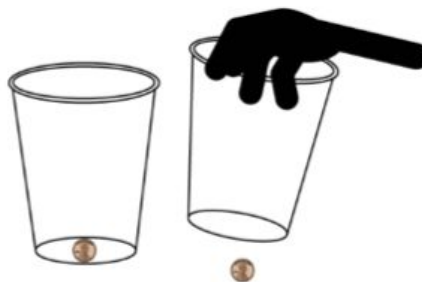


		The penny will look like it disappears when put under an empty cup.
		The penny will look like it disappears when put under a cup filled with water.
		The penny will not look like it disappears when put under an empty cup or under a cup filled with water.



Step 3: Do an Experiment

1. Put 2 pennies on a flat surface.
Put one cup on top of each penny.



2. Observe pennies under empty cups, looking at cups from side.
Record observations.

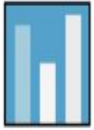


3. Pour water into one cup.


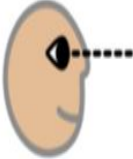


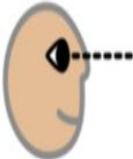



4. Look at cup from side. Record observations.





Step 4: Organize Data

	What does it look like?	
 <p>Penny under empty cup.</p>	<p>I see the penny.</p> 	<p>I do not see the penny.</p> 
 <p>Penny under cup filled with water.</p>	<p>I see the penny.</p> 	<p>I do not see the penny.</p> 



Step 5: Find the Conclusion

Did the penny look like it disappeared when put under an empty cup?



yes



no



Did the penny look like it disappeared when put under a cup filled with water?



yes



no



Was your guess correct?



yes



no

