Egg Investigations

Explore the scientific method and reactions through this “egg”-citing activity! *This activity does require the egg to sit for numerous days*

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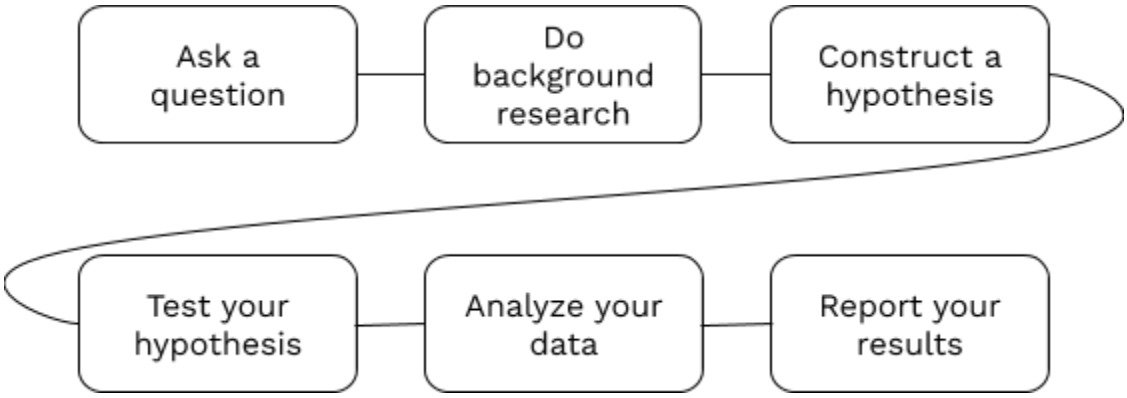
Key Terms

Acid: A substance with many hydrogen ions (such as orange or lemon juice!)
Chemical Reaction: A process where a set of substances undergo a chemical change to form a different substance
Scientific Method: A series of steps used to find information or solve problems



Materials

Egg
Vinegar
Clear jar
*Optional - food coloring

Procedure

- Place your egg into the clear jar and completely cover it with vinegar
- *Optional step - add food coloring to the vinegar*
- Keep your jar somewhere safe and let it sit for 7 days. Make sure to observe the egg day by day and record changes you see!
- Remove the egg at the end of the 7 days - follow along with the worksheet and investigate your new egg!

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Research Activity

1. What are we investigating? List the materials we will be using and what our main objective is: _____
   _____
   _____
2. What is your hypothesis - what changes do you think will occur?
   _____
   _____
   _____
3. Fill out the following chart day by day to observe changes - be as descriptive as possible:

Day	What do you see?	What are your predictions for tomorrow?
1		
2		
3		
4		
5		
6		
7		

4. Was your hypothesis correct? What happened to your egg?
   _____
   _____

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Additional Activities

- Use a ruler/measuring tape and record how high you can bounce your egg
- Use a hard boiled egg versus a raw egg and see if you get the same results
- Test other liquids such as corn syrup or dish soap!