

**State the Problem**

How much salt will it take to float an egg in water?

**Formulate Your Hypothesis**

How much salt will you need to add to your glass of water to make an egg float?

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**Identify and Control the Variables**

The amount of salt in the water is the variable that you can change.  
The amount of water in the glass should not change.

**Test Your Hypothesis**

Use the chart below to record the results of your experiment.

Take a glass, place an egg in it, and fill it about three-quarters full with water. Then start by adding one teaspoon of salt, and be sure to record your results after each teaspoon. Continue adding salt one teaspoon at a time until the egg begins to float.

Amount of Salt	What happened to the egg?


### Interpret Your Data

How many teaspoons of salt did it take to make the egg float?

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### State Your Conclusion

Draw a picture and label all of the items. Include the amount of salt that it took to make the egg float.

Self Assessment	Checklist
I made a <b>hypothesis</b> about the amount of salt that would be needed.	_____
I understand the <b>variables</b> that affect the experiment.	_____
I <b>experimented</b> to test my hypothesis.	_____
I <b>collected and recorded</b> my data.	_____
I <b>communicated</b> my data by drawing a picture of my results.	_____