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Glow in the dark Jell-O

Introduction:



This isn't a cheat, and it's not an optical illusion—these are simply tonic jellos made by adding gelatin to warm tonic water and it could be left to set or viewed while still in liquid form. So why are they glowing that fantastic ghostly color? The answer is that quinine—the bitter flavoring in tonic water—glows under a black light. The bigger the bulb, the better the glow. The great thing about this Jell-O, other than its glowiness, is that it is edible or drinkable! Are you guys

ready to see with your own eyes if we are really able to make Jell-O glow?

Materials:

- About ½ cup warm tonic water
- 2 spoonful Jell-o mix
- Clear cup
- Spoon
- Sugar (optional, to taste)
- Black light
- Dark area

Safety:

- Always wear eye protection and gloves when doing chemistry experiments!
- This experiment is completely safe to do at home with adult supervision and is edible.



Procedure:

1. Put about ½ cup warm tonic water into the cup.

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- 2. Add 2 spoonful of Jell-O mix to the water and mix until dissolved.
- 3. In a dark place, shine black light on the Jello-O. Does it glow?

Data and Observations:

Record your observations and measurements here.

Original color of Jell-O	Did it glow?	If yes, what color?
Any other changes made to proceedure		

Questions:

What did you see inside the box? If it didn't glow, what could you do to try to make it glow?

How did this happen? What type of special water did we use in order for the Jell-O to glow?

Tonic water contains the chemical called quinine. What is it?

References:

http://www.ehow.com/info 12217405 glowinthedark-jello-science-project.html

http://leitesculinaria.com/77328/recipes-glow-in-the-dark-jello.html