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| Project Title <br> Color Perception in Frogs |  |
| Objectives/Goals <br> The goal was to see if frogs see colors and, if they do, which colors do they ass (iate) rith safety. Methods/Materials <br> B. Set up the test box with the first color combination (Rue and lack) C. If necessary, wiggle your finger behind the frog unile jumps int <br> A. Each frog is tested by putting it into the large chamber of the te view of both smaller chambers. thereby indicating his color choice. <br> D. Record ten trials for each frog, reversing the colors after the frog\#s choice for color preference versus side preference. <br> E. Repeat for each color combination: Blue and Black Blue no Greqn Blue and Red, Black and Green, Red and Black, and Red and Green. <br> Materials:Cardboard box, Foam board, Colored paper Black Sray aint, Bucket, Net, Frogs <br> Results <br> When presented with two color choices, the test ogs nexpreximately 50 percent of the time to each color. Although the test frogs seem to not have acklor pretcepee, they did seem to display a strong preference for side. <br> Conclusions/Discussion <br> This apparent lack of color preference mifhat explaing in a couple of different ways. First, frogs may simply not use color to determife a possibe e caps route. Second, although frogs are amphibians, they spend most of their time in the an this cour man that their eyesight is not as adapted to land use. Maybe my frogs were having trouble sein out of ater. More testing would be needed to determine which of these possible reasons was the one reseasible for my frog\#s apparent lack of color preference. Or, possibly an entirely differen reason wour b discovered. Although the test frogs seem tot heve ald preference, they did seem to display a strong preference for side. At first, my test frogs orf go indp each of the smaller test chambers about half of the time. Later, when the frogs werg ye they bee ay to only go into one chamber, either the left or right. It appears that frogs have $(40 \mathrm{ml}$ ant Teg, fust as humans have a dominant hand. I think that the dominant leg of the frog pushes har (tyen the orner leg when the frog is tired, which might turn them consistently in one directiopover the A left-legged frog would turn to the right and visa versa. |  |
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| Help Received <br> My parents helped |  |

