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*Which Do They Prefer- Crabs and Colors*

The purpose of this experiment is to see if hermit crabs prefer different colors. I first selected three different colors (yellow, purple, blue.) After painting six different houses, food bowls, and shells, I placed the three colors in each cage. The two hermit crabs that were purchased were later placed in each cage at the same time. Over a two week period of observing the crabs every other hour, I found that the hermit crabs preferred to use the purple color items most. I also observed that they did not like yellow and seldom used blue. During the process of my experiment the hermit crabs spent most of their time sleeping in the purple house. When i counted the food pellets in the dishes the total would come up to more food pellets in the purple dish then started, obviously concluding they moved the pellets from a different color to the purple dish. As a result, this test shows that hermit crabs are sensitive to the colors in there environment. By using this information, crab owners can increase the life and happiness of their crabs.