

D'Lanee Doyle
Cold Criminals

In my science fair project I tested to see if the surface temperature of an object would affect the quality of a fingerprint. I decided to do this experiment because it is interesting and it can/could help the world of forensics. The first thing I did was get out the needed materials. Next I cleaned the glass beakers so they didn't have any fingerprints that would get in the way of the one's I wanted to examine. After that I heated/cooled the water in the beakers to the desired temperature(s) for this project. Then I place a fingerprint and dusted the fingerprint with carbon (charcoal powder). I lightly blew on the fingerprint to get the excess carbon off. Finally I got some tape and pressed it down on the fingerprint and then took the tape off and put it on my paper. I repeated these steps 5 times for each temperature. I found that 50° Celsius temperature had the best quality. The 30° Celsius temperature was second best. So temperature of the surface does affect the quality of fingerprints.