



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

Name(s) Ana C. Segovia	Project Number J1132
Project Title The Effect of Temperature on the Elasticity of Rubber	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My project was attempting to discover how different temperature affects the elasticity of rubber. I believed that as temperature gets higher rubber is more elastic and as temperature gets lower rubber is less elastic.</p> <p>Methods/Materials My project requires: -Four rubber balls of the same size but different types of rubber. -Four rooms with different temperatures. The four rubber balls were exposed to each temperature for five hours. As soon as the balls were at each temperature the heights of their bounces were measured for twenty five times.</p> <p>Results After the balls were exposed to the highest temperature, they had the highest bounces. The height of the balls' bounces decreased as the temperature decreased. After the balls were exposed to the lowest temperature, they had the lowest bounces.</p> <p>Conclusions/Discussion Temperature does affect the elasticity of rubber. The higher temperature is, the more elastic rubber becomes and the lower temperature is, the less elastic rubber becomes.</p>	
Summary Statement Changes of the elasticity of rubber under different temperatures.	
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