Water or Ethyl Alcohol: Which Liquid Is Best for Thermometers?

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Abstract:
What different liquids can be used in thermometers? Ethyl alcohol thermometers shrink more than water thermometers.

Introduction
My topic is chemistry. What different liquids can be used in thermometers? And which one will shrink the most?

Hypothesis
I think that the Ethyl thermometer will shrink more than the water thermometer.
Materials
Ethyl alcohol, water, water bottles, food coloring, marker, molding clay, and straws.

Method
First I made the thermometers out of bottles, straws, clay, alcohol, water, and food coloring. Then I put the thermometers in a bucket of ice. I put marks after we put them in, after 1 minute, and after 2 minutes.

Results
The water thermometer shrunk 6 millimeters (0.6 mm) after 1 minute, and the Ethyl shrunk 35 mm. After 2 minutes, the water shrunk 10 mm, and the Ethyl shrunk 65 mm.
Conclusion

The Ethyl thermometer shrank the most. But it shrank more dramatically than I expected.
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About the Author: Owen is a fourth-grade student at Dan Mills Elementary School.