

Question

Which cup keeps water the coldest?

Hypothesis

If the temperature of the water is measured at the same times, then the stainless steel cup will keep the water the coldest because it is vacuum insulated.

Experiment

1. Pour equal amounts of water into each cup.

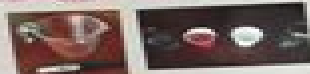
KEEP YOUR DRINK COLD

By: AVA Swirna



Final Temperature
Styrofoam — 50°F
Styrene — 50°F
Plastic — 50°F
Glass — 60°F

Materials



Controls

- Same temperature of water
- Same amount of water
- Testing on the same table
- Temperature read at the same intervals

Variables



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Experiland

A decorative graphic element consisting of a light blue horizontal bar with a rounded right end, and a red circular glow behind it.

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Instructor, 1978 Learning, 1986 **Instructor and Teacher**, 1983 **Arts and Activities**, 1983 **Scholastic**, 1974 **Last Minute Science Fair Ideas - Due in a Week or More...** Experiland, 2010-09-23 Have you ever wondered how a telescope brings objects closer or how cameras take pictures How boats float or aeroplanes fly All of these seemingly complicated things can be explained by basic science With the help of this book you will construct many weird wonderful and wacky experiments that you can have hours of fun with Is the deadline for your science fair project quickly approaching Not to worry the Last Minute Science Fair Ideas series is written in an easy to follow format that will guide you to create an exciting science project for the upcoming fair The science projects in each of the books of this 4 volume series are conveniently sorted according to the approximate time required to complete each experiment The 50 projects contained in this science experiment e book cover a wide range of scientific topics from Chemistry and Electricity to Life Sciences and Physics there are even experiments on earth science astronomy and geology all designed for science students from grade 1 to 8 With this book you are sure to find a project that interests you When you are interested in a certain science topic you will have more fun and learn more too Amongst many others you will make a simple astrolabe to measure the altitude of objects in the night sky make dirty water pure and drinkable to understand how evaporation condensation works make beautiful patterns on a wall to experiment with sound waves and build a Franklin bells device for detecting high voltage lightning storms and learn about static electricity Other fun experiments include growing your own crystals along a piece of string making your own homemade perfume measuring the extend of creeping soil on hillsides making a water barometer to measure the air pressure checking the wind speed with your own anemometer building your own rain alarm building your own foxhole radio sending Morse code signals with your own telegraph mummifying an orange growing plants in your own hydroponic garden testing the effects of acid rain on ocean life studying the complete life cycle of a meal worm and many many more When making these gadgets you ll discover that science is a part of every object in our daily lives and who knows maybe someday you will become a famous inventor too Designed with safety in mind most of the items you will need for the experiments such as jars aluminium foil scissors and sticky tape you can find around your home Others such as magnets lenses or a compass you will be able to buy quite cheaply at a hobby shop or hardware store **Ace Your Physical Science Project** Robert Gardner, Madeline Goodstein, Dr. Thomas R. Rybolt, 2009-07-01 Solids liquids and gases oh my Readers will learn all about the states of matter and fundamental physical principles with the fun science experiments in this book Readers find out if they can make water flow upward if carbon dioxide is heavier than air and more Many experiments include ideas students can use for their science fair **Science Fair Projects** Lesa L. Rohrer, 2004-10-25 Activities in this reproducible classroom resource focus on science fair projects appropriate for middle school students Each project follows the step by step procedures identified in the scientific method and projects cover topics that appeal to a wide range of

interests and ability levels **Prize-Winning Science Fair Projects for Curious Kids** Joe Rhatigan, Rain Newcomb, 2006 New in Paper It's coming sooner than you think the time to prepare for the next science fair For projects for presentation for blue ribbon winning ideas there's no better place to come than here From thinking of a unique science fair experiment to putting fabulous finishing touches on the display this cool collection of smart and illustrated projects gives budding scientists everything they need to put together a winner and have fun doing it too Kids have seen all the tricks and they're tired of science fair books that show them yawn how to make the volcano or another boring model of the solar system Here are experiments they really want to do on subjects such as slime magic sand video games mummies dog germs horoscopes bicycles and more The whole science fair experience is broken down into small manageable steps so youngsters won't feel overwhelmed All safety precautions are taken with notes on parental supervision when necessary **How to Do Science Fair Projects** Jill Norris, Cardinale, Tavares, Law, 1996-04-01 **Science Fair Projects** Dana M. Barry, 2000 Provides the skills and information needed to prepare children successfully for enjoyable and rewarding science fair projects It can be used at home and in the classroom as a resource for students teachers and parents Includes models ideas and practice exercises **Science Fair Projects About the Properties of Matter, Using the Scientific Method** Robert Gardner, 2010-01-01 Explains how to use the scientific method to conduct several science experiments about the properties of matter Includes ideas for science fair projects Provided by publisher **Quick-but-Great Science Fair Projects** Shar Levine, Leslie Johnstone, 2006-02-20 Provides information on the basics of science fair projects and suggestions for a variety of projects using easily obtainable materials *Yikes! Wow! Yuck!* Elizabeth Snoke Harris, 2008 Kids are participating in science fairs earlier than ever and what better way to get them started than with this exciting new guide designed especially for younger children It's part of Lark's successful Science Fair program and it makes fairs fun accessible and educational for early primary grade students In addition to a super Official All You Need to Know to Do a Great Science Fair Project section this fully illustrated collection features 25 curriculum appropriate activities to choose from plus guidance on how to perform experiments analyze the data and draw conclusions And kids will love the projects which include preserving jack o lanterns studying the domino effect making fruit and vegetable dyes spinning eggs and doing some rubber band bungee **Janice VanCleave's Guide to More of the Best Science Fair Projects** Janice VanCleave, 2000-01-24 Complete rules and display tips Hundreds of exciting projects Helpful do's and don'ts 50 fun step by step experiments More Winning Science Fair Projects Hints and Tips from Janice VanCleave What can you do to create an extraordinary science project How is a clear and easy to follow display organized What are the do's and don'ts of science fair projects Where will you find the best collection of science fair ideas The answers and the fun are all in this exciting book of innovative easy to understand show stopping science fair projects Discover how to develop a topic from your own idea research create and assemble your project then display it in a way that will make it stand out from the crowd Tackle some of Janice VanCleave's favorite experiments on

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major categories biology physical science and chemistry and test such things as whether people who play video games have different reaction times than those who don't or whether sound travels better underwater than through air Easier projects come first more difficult ones after Plus Take a Closer Look sections give additional research suggestions and information A welcome addition to science fair literature School Library Journal **Quick-but-Great Science Fair Projects** Shar Levine, Leslie Johnstone, 2001-12-01 Provides information on the basics of science fair projects and suggestions for a variety of projects using easily obtainable materials

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