

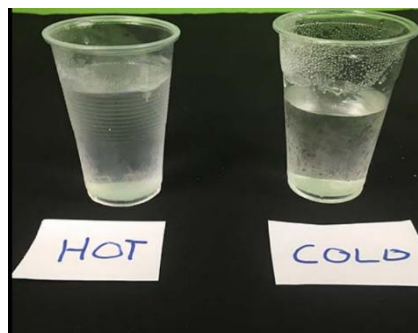
Science Challenge

Which Water Leaks Faster

In this exciting and easy science experiment, we're going to determine which water leaks faster, hot or cold water. We have chosen challenges that need minimal resources. Please try this experiment at home with your child to see what happens.

What you need:

- Two paper cups
- Straight pin to make a hole
- Two small glasses
- Ice cubes
- Hot water



Instructions:

1. Set the glasses on a table.
2. Punch a small hole in the centre of the bottom of each paper cup. (**Make sure you do this with an adult**)
3. Fill one paper cup with cold water and some ice cubes. Place the paper cup filled with cold water on top of one of the small glasses.
4. Fill the other paper cup with hot water. Set the paper cup filled with hot water on top of the other small glass.
5. Observe which cup leaks faster.

How it Works:

The hot water molecules are more active and fall through the hole easier. The cold water molecules are moving much slower and do not fall through the hole as easy.

HAVE FUN!

Write your observations and send photos of your work to –

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