Water is one of the most valuable resources on our planet, which is why it’s so important to understand the different parts of the water cycle. From collection and evaporation to condensation and precipitation, water goes through a lot of changes. Let’s see just how it works!

### WHAT YOU’LL NEED:
- Large Glass Jar or Tall Drinking Glass
- Plastic or Paper Bowl
- Ice
- Hot Water

Caution: Be careful with the glass jar or drinking glass. Ask a grownup if they would like to help you.

### WHAT YOU’LL DO:

1. Place a large glass jar or tall drinking glass on a flat surface.

2. Fill a small plastic or paper bowl with ice cubes and set it next to the jar.

3. With the help of a parent or other grownup, fill the glass jar with hot water. This can be hot water from the faucet or water that’s been heated in the microwave or in a kettle.

4. As you pour the hot water into the jar, notice the steam rising up in the air. This is evaporation, and it occurs whenever water molecules become so hot that they expand and turn into a gas. (Tip: If you don’t see steam, then try heating the water a little more.)

5. Place the bowl of ice on top of the glass jar, making sure to cover the mouth of the jar completely.

6. Watch as the heated water molecules rise up in the jar and turn back into liquid water droplets (like clouds do to form rain), collecting on the sides of the jar and on the bottom of the bowl. This is called condensation, and it occurs when gaseous water molecules cool down.

7. As more and more water droplets gather together, they will eventually become heavy and will fall back into the water at the bottom of the jar. This is precipitation and is what happens every time it rains.

Now that you have seen a small version of the water cycle, answer the following:

- How does the bowl of ice represent the atmosphere?
- What happens to the water once it falls?
This experiment is brought to you by the Texas Tuition Promise Fund® and the Texas College Savings Plan®. Visit SaveNowForCollege.org to discover two great ways to start saving for a child’s higher education and find more fun and futuristic activities.

MEET YOUR FUTURE

800-445-GRAD (option #3)

800-445-GRAD (option #5)

SaveNowForCollege.org

Two great plans, one bright future.

Purchasers should carefully consider the investment objectives, risks, administrative fees, service and other charges and expenses associated with the Plans, including plan termination and decreased transfer or refund value. The Plan Descriptions and Agreements contain this and other information about the Plans and may be obtained by visiting texascollegesavings.com or texastuitionpromisefund.com or calling 800-445-GRAD (4723), option #3 for the Texas College Savings Plan® and option #5 for the Texas Tuition Promise Fund®. Please read these documents carefully before purchasing.

Neither a Texas Tuition Promise Fund contract nor any return paid with a refund is insured or guaranteed. The contracts have not been registered with the U.S. Securities and Exchange Commission or with any state. No part of a Texas College Savings Plan account, the principal invested, nor any investment return is insured or guaranteed. An account might not make money and could lose money (including the principal invested) if money is invested in the Texas College Savings Plan. Interests in the Texas College Savings Plan have not been registered with the U.S. Securities and Exchange Commission or with any state and are not deposits or other obligations of any depository institution. As stated in the current Plan Description and Savings Trust Agreement for the Texas College Savings Plan, total fees for the Texas College Savings Plan portfolios range from 0.60% to 1.00%. Fees are subject to change.

The Texas College Savings Plan and the Texas Tuition Promise Fund are established and maintained by the Texas Prepaid Higher Education Tuition Board and are distributed by Northern Lights Distributors, LLC, member FINRA, SIPC. NorthStar Financial Services Group, LLC, is the Plan manager and administrator of the Plans. NorthStar Financial Services Group, LLC, is not affiliated with Northern Lights Distributors, LLC.

Non-residents of Texas should consider whether their home state offers its residents a 529 plan with advantages that are only available to participants in that state’s plan (ex. tax, financial aid, scholarship funds, protection from creditors or other benefits).