

A Cloud Warning

One day on a sunny afternoon, several cuddly, cumulus clouds began collecting water vapor in the sky. Meanwhile on the Earth's surface, airplane pilots smiled because they knew the cumulus clouds were kind to them.

As the airplane pilots began to load the plane, the seriously, sweet cirrus clouds came rolling above the cumulus clouds. They signaled below that there was a storm coming. The cumulus clouds scurried away. The airplane pilots were puzzled by the signal, so they cautiously continued loading the plane.

Soon after the cirrus clouds arrived, darker clouds began to appear low in the atmosphere. They appeared to be straddling the air traffic control center. A drizzle began to fall from the clouds. The pilots ignored their subtle warning and continued loading the planes for take off.

After the airplane pilots finished loading up the plane with passengers, they headed for the runway. Right before lift off, the nasty nimbus clouds came roaring through the sky. High winds blew the plane from side-to-side. Passengers were frightened. The pilots knew they had to get back to safety. Heavy rains drenched the land. The pilots slammed on the brakes.

It wasn't long before the storm had ended. The nimbus clouds disappeared in the sky and the cute cumulus clouds appeared right before the sunshine. The pilots were grateful once more because now they understood the language of the clouds.

In paragraph 2, what does the word "straddling" mean?

- a. extend across
- b. hovering over
- c. take over
- d. sit down

What caused the passengers to become frightened?

- a. the pilots
- b. the storm
- c. a snake
- d. flying

Explain how the clouds helped the pilots predict weather conditions.

WATER CYCLE CHALLENGE

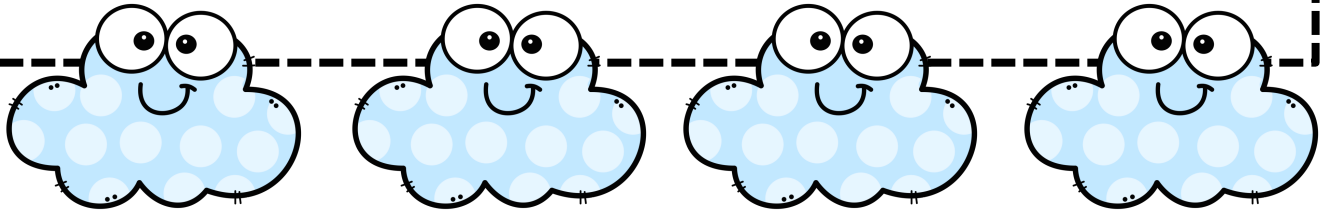
STEP#1: PLACE HOT WATER IN A GLASS BOWL. HEAT THE WATER IN THE KETTLE

STEP#2: ADD THE MUG IN THE MIDDLE OF THE BOWL.

STEP#3: ADD PLASTIC FILM ON TOP OF THE BOWL. MAKE SURE IT IS VERY TIGHT.

STEP#4: ADD ICE CUBES ON TOP OF THE PLASTIC FILM IN THE MIDDLE OF THE MUG.

STEP#5: WAIT 15 MINUTES TO SEE THE WATER ACCUMULATION IN THE JAR.



What would happen if the water was cold?

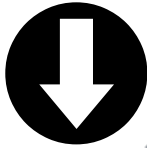
Why do you think the ice cubes were so important in the experiment? What did they do?

What happened inside the mug? Why?

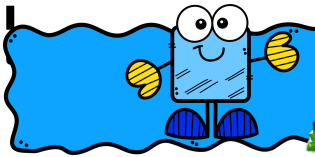
What happened on the plastic film? Why?

WATER PUMP CHALLENGE

PROBLEM: There is a leak of water in Mrs. Annie's house. She will lose all her most precious possessions if we don't act very soon. As you are kind, you will help her solve her problem.



YOU NEED TO CREATE A PUMP THAT WILL EMPTY THE WATER FROM HER HOUSE.



You may only use this material to build the water pump:

- 1 CUP WITH WATER,
- 1 CUP WITHOUT WATER,
- 1 STRAW,
- SCISSORS,
- AND A BALLOON

Did you succeed to empty the water in Mrs. Annie's house?



yes **NO**

Post a **VIDEO** trying your water pump on **SEESAW**.

