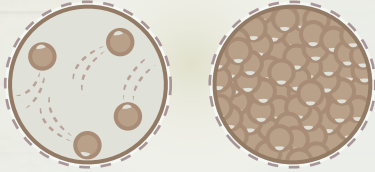
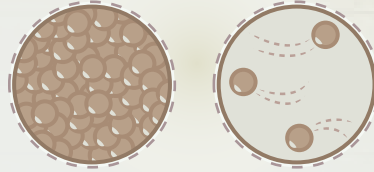


# Condensation and Evaporation

CONDENSATION: GAS TO LIQUID

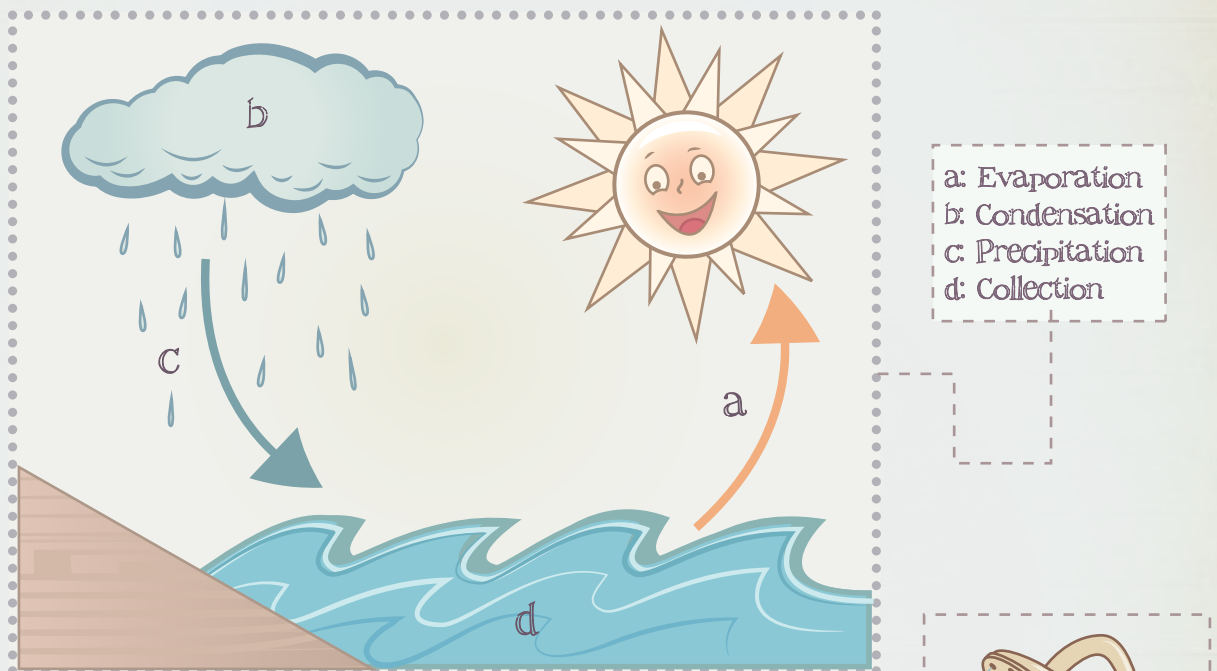


EVAPORATION: LIQUID TO GAS



## WHAT'S THE DIFFERENCE?

Condensation happens when a gas changes to a liquid. It can happen when a gas gets cooler. Evaporation happens when a liquid changes to a gas. It can happen when a liquid gets warmer.

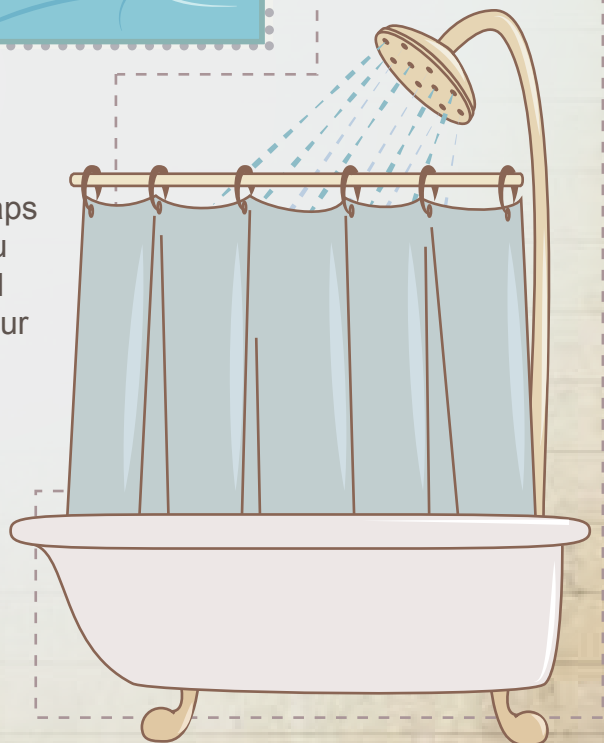


## THINK ABOUT IT!

When you're finished in the shower, it's wise to towel off with the curtains/doors still closed – the closed space traps the water vapor in. As the vapor condenses, it keeps you warm. But once you open up the curtains, all the gas will escape and you'll be left with water evaporating off of your body, making you colder.

## FUN FACT:

When you sweat, your body knows it's too hot and sweats in order to cool itself. The moisture produced by your body evaporates and helps to cool off your skin.



# Condensation and Evaporation

## CHALLENGE QUESTION:

### 1. Hanging Wet Clothes

Where do you think would be the best place to put your clothes/materials so that they will dry as quickly as possible? Draw a picture showing what you think will happen to the water.

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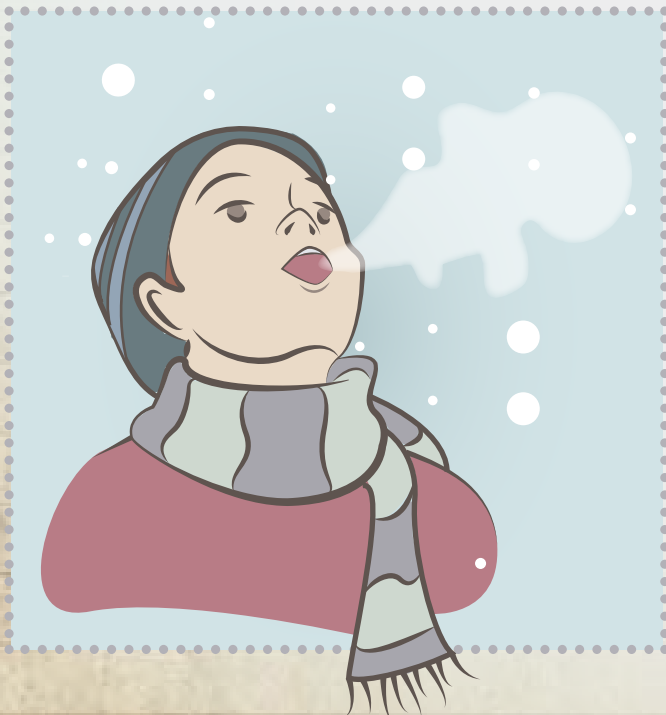
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### 2. Condensation of BREATH in AIR

Describe what you think is happening when you can see your breath in the air. Where do you think it comes from? Do you think you can make it go away?



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