

# REGIONAL FLOOD CONTROL DISTRICT



## Make it Rain!

### Background

During the hot summer months in Southern Nevada, moist, unstable air from the Gulf of Mexico is rapidly forced upward by hot air currents. This causes severe thunderstorms with intense rain fall which can cause flash floods. On average Southern Nevada gets 4 inches of rain per year. However, in some severe storms, we can get as much as 3 inches of rain in 90 minutes!

Rain is made when warm moist air rises and meets colder air in the atmosphere. The water vapor condenses and forms precipitation (or rain) and then it falls to the ground.

### Materials

- A glass jar
- A plate
- A towel
- A pot
- Ice cubes
- Water

### Instructions

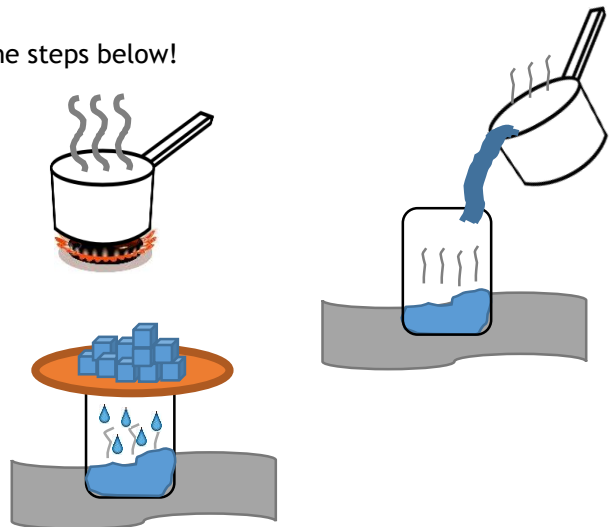
Learn about the process of rain making by following the steps below!

**Step 1:** Ask an adult to help you add water to the pot and bring it to a boil.

**Step 2:** Place the glass jar on a towel and ask your parents to carefully pour about two inches of the hot water into the jar.

**Step 3:** Place the plate on top of the jar and put ice cubes on the plate.

**Step 4:** Watch the cold plate condense the hot moisture in the jar and make rain drops!



**Remember:** Always pay attention to the weather, do NOT play outside in a thunderstorm!