

## How Clouds are Formed

One of the ways a low pressure is formed is when air molecules are instantly spread far apart. When a low pressure enters into an area the winds are moving counterclockwise. As this happens the air is being drawn into it causing wind. This air is also rising quickly toward the sky causing the air molecules to separate causing a low. As molecules are separated and a low is created this low also creates cold air instantly. If there is a lot of moisture in the air the cold air will create a lot of clouds in the area. The lower the pressure, the colder the air and the more moisture there will be in the clouds causing rain.

As in the cloud in a bottle, there is a lot of pressure in the bottle when air is pumped in. The air molecules are viciously hitting against each other creating heat. They are trapped in a space that is too small for so much air. When the lid is released the air is forced out by the pressure. As the air molecules moves out the air molecules spread apart rapidly causing cold air. With the moisture in the air the cold air cools the moisture and causes a cloud.

It all has to do with the rapid change of air pressure from high to low causing the air to cool and if there is moisture in the air, clouds will form.