**Indoor Cloud**

**What to do:** Heat the water in the tea kettle. When it starts to boil, hold the pie plate in the steam.

**What happens:** When the water boils, a whitish "cloud" forms above the spout. When you hold the pie plate in the "cloud," drops of water form on it.

**Why:** The clouds in the sky form in the same way. Heated air containing invisible water vapor rises. As it rises, it cools. The water vapor condenses into millions of tiny water droplets forming a cloud.

On a sunny summer day, the sun heats ground quickly. The ground heats the air next to it. Because warm air is less dense than cold air, it rises. As it moves away from the hot ground, it cools. When it rises high enough and becomes cool enough, the water vapor in the air condenses—turns into water droplets. Millions of these droplets together make up one of the fluffy clouds we see in the sky. These fluffy clouds are known as Cumulus clouds.

**YOU NEED**

- tea kettle filled with water
- metal pie plate