

## SECTION 5: STAY COOL!

### LAB

### INTRODUCTION

Evaporation is the process by which a liquid changes to a gas and enters the air. When the liquid evaporates, it takes heat away from the wet surface, making the surface feel cooler. On a hot day, your body temperature rises. This increase in temperature signals the glands in your skin to go to work. The glands produce a watery liquid known as sweat, or perspiration. As sweat evaporates from the surface of your skin, your body cools down. When your body temperature drops, sweat glands stop producing perspiration.

### ASSESSMENT ANCHORS ADDRESSED

- S4.A.2.1** Apply skills necessary to conduct an experiment or design a solution to solve a problem.
- S4.C.1.1** Describe observable physical properties of matter.
- S4.A.3.3** Identify and make observations about patterns that regularly occur and reoccur in nature.

### PURPOSE

In this activity, you will observe the cooling effects of evaporation. You will also compare the effects of two different liquids that evaporate at different rates.

### MATERIALS

feather                      Journal page for Activity 2  
Pencil with eraser  
*Teacher provides items marked with \**