



## MiniLab

LESSON 1: 10 minutes

## How do temperature scales compare?

If someone told you it was  $2^{\circ}\text{C}$  or  $300\text{ K}$  outside, would you know whether it is warm or cold?

### Procedure

1. Lay a **ruler** across **Figure 4** of your textbook so that it lines up with the temperatures at which water freezes. Record the temperatures in the table

shown in the Data and Observations section below.

2. Repeat step 1 for the other three values in the table.

### Data and Observations

	Celsius ( $^{\circ}\text{C}$ )	Fahrenheit ( $^{\circ}\text{F}$ )	Kelvin (K)
Water freezes			
Room temperature		$70^{\circ}\text{F}$	
Light jacket weather		$55^{\circ}\text{F}$	
Hot summer day		$90^{\circ}\text{F}$	

### Analyze and Conclude

1. **Estimate** Imagine that it is snowing outside. What might the temperature be in degrees Celsius? In Kelvin?

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2.  **Key Concept** Why doesn't the Kelvin scale include negative numbers?

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