

Measuring Temperature III

PART A Write the name of the temperature scale being used. Write °C, K, or °F to indicate your answer in the spaces provided.

- | | |
|---|--|
| _____ 1. Absolute zero is 0. | _____ 4. Absolute zero is -273°. |
| _____ 2. Human body temperature is 98.6°. | _____ 5. Boiling point of water is 100°. |
| _____ 3. Freezing point of water is 273. | _____ 6. Freezing point of water is 32°. |

PART B Complete the following.

- What is temperature? _____
- What instrument is used to measure temperature? _____
- What are the names of three temperature scales? _____

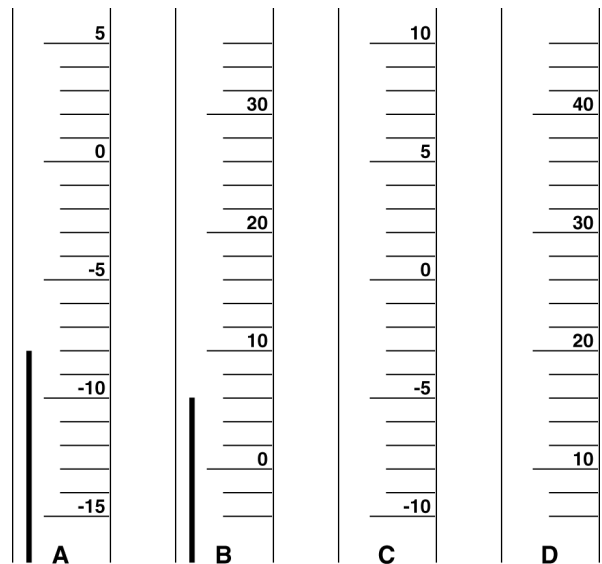
 - Which temperature scale is usually used in the science laboratory? _____

Skill Challenge

Skills: *observing, interpreting, modeling*

Use the Celsius thermometers to complete the following.

- How many units are there between 0°C and 5°C on thermometer A? _____
 - How many degrees does each marking on thermometer A represent? _____
- How many units are there between 0°C and 10°C on thermometer B? _____
 - How many degrees does each marking on thermometer B represent? _____
- What temperature is shown on each thermometer?
A _____ B _____
- On thermometer C, draw in liquid to show -9°C.
- On thermometer D, draw in liquid to show 44°C.



Answer Key

SCIENCE SKILLS AND INVESTIGATIONS

Measuring Temperature III

PART A

1. K 2. °F 3. K 4. °C 5. °C 6. °F

PART B

1. measure of how much heat energy something contains
2. thermometer 3. a. Celsius, Fahrenheit, and Kelvin b. Celsius

Skill Challenge

1. a. 5 b. 1 2. a. 10 b. 2 3. A: -8°C B: 6°C
4. Check student's drawings. 5. Check students' drawings.