

# HOW TO CALIBRATE A THERMOMETER QUIZ SHEET

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_

## TRUE OR FALSE

T\_\_\_ F\_\_\_ 1. Thermometers should be calibrated regularly to make sure the readings are correct.

T\_\_\_ F\_\_\_ 2. When calibrating thermometers using the ice-point method, the final reading of the thermometers should be 45°F (7°C).

## SHORT ANSWER

1. Explain the steps for calibrating a thermometer using the ice-point method.

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## EXERCISE

Put the following in order from 1-3.

\_\_\_ Putting the thermometer stem or probe into the ice water. Wait 30 seconds or until the reading stays steady.

\_\_\_ Fill a large container with ice and tap water. Mix well.

\_\_\_ Adjust the thermometer so it reads 32°F (0°C).

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## TRUE OR FALSE

T X F \_\_\_ 1. Thermometers should be calibrated regularly to make sure the readings are correct.

T \_\_\_ F X 2. When calibrating thermometers using the ice-point method, the final reading of the thermometers should be 45°F (7°C).

## SHORT ANSWER

1. Explain the steps for calibrating a thermometer using the ice-point method.

1. Fill a large container with crushed ice. Add clean tap water until the container is full. Mix well.
2. Put the thermometer stem or probe in the ice so that the sensing area is completely submerged. Wait 30 seconds or until the reading stays steady..
3. Hold the calibration nut securely with a wrench or other tool. Rotate the head of the thermometer until it reads 32°F (0°C).

## EXERCISE

Put the following in order from 1-3.

- 2 Putting the thermometer stem or probe into the ice water. Wait 30 seconds or until the reading stays steady.
- 1 Fill a large container with ice and tap water. Mix well.
- 3 Adjust the thermometer so it reads 32°F (0°C).