

Name _____

How do Thermometers Measure Temperature?

Open-Ended Response Questions

1. Compare and contrast the working principles of liquid-in-glass thermometers and digital thermometers.
2. Imagine you are a scientist studying extremely hot substances. Why might you choose to use a thermocouple instead of other types of thermometers?
3. How has the invention of digital thermometers improved temperature measurement in daily life compared to traditional liquid-in-glass thermometers?
4. Discuss a scenario where using an infrared thermometer would be advantageous over using a liquid-in-glass thermometer.

