

Heat and Temperature Practice Quiz Topic 2 - Measuring Temperature

1. Estimating temperature is something that we do automatically. Touching something to see how hot or cold it is is one technique that we use. Another is to ...

use a thermometer

look at the moving particles

observe the color

use the back of your hand

2. Because your senses can easily be fooled, thermometers were developed, because they are more reliable. The earliest thermometers contained a glass bottle with a long glass tube for the liquid to rise and fall. An important part was missing though. It was the ...

type of liquid that senses temperature change

type of glass that doesn't expand

the calibrated scale of relative temperatures

the protective stoppers to prevent the liquid from escaping

3. Pressure affects the boiling point and freezing point of water. Extreme pressure under a glacier can cause the ice to flow or even melt at temperatures ...

above 0°C

below 0°C

around 0°C

consistent with 0°C

4. Absolute zero is a temperature on the Kelvin scale. Although no one has ever been able to cool anything down to absolute zero, scientist know that it is ...
- 137.15 K
 - 237.15 K
 - 173.15 K
 - 273.15 K
5. A material, which is affected by changes in some feature of the environment, such as temperature is called a ...
- circuit**
 - sensor**
 - signal**
 - responder**
6. Recording thermometers are called thermographs. The 'temperature writer' uses a rotating drum to record changes in temperature. Tiny movements of this device can make large movements of the recording instrument. The device which makes these tiny movements is the ...
- lever**
 - pen**
 - bimetallic strip**
 - rotating drum**

Check [Answers](#)

Heat and Temperature Practice Quiz **Answers** Topic 2 - Measuring Temperature

1. Estimating temperature is something that we do automatically. Touching something to see how hot or cold it is is one technique that we use. Another is to ...

use a thermometer

look at the moving particles

observe the color (Text p. 192) Welders and glass blowers use the color of the flame to know when it is hot enough to soften metal or glass

use the back of your hand

2. Because your senses can easily be fooled, thermometers were developed, because they are more reliable. The earliest thermometers contained a glass bottle with a long glass tube for the liquid to rise and fall. An important part was missing though. It was the ...

type of liquid that senses temperature change

type of glass that doesn't expand

the calibrated scale of relative temperatures (Text p. 194) Read the first sentence on this page

the protective stoppers to prevent the liquid from escaping

3. Pressure affects the boiling point and freezing point of water. Extreme pressure under a glacier can cause the ice to flow or even melt at temperatures ...

above 0^o C

below 0^o C (Text p. 195) (Figure 3.6 p. 194) extreme pressure under a glacier causes the ice to melt at temperatures below 0^o C

around 0^o C

consistent with 0°C

4. Absolute zero is a temperature on the Kelvin scale. Although no one has ever been able to cool anything down to absolute zero, scientist know that it is ...

- 137.15 K

- 237.15 K

- 173.15 K

- 273.15 K (Text p. 195) absolute zero is -273.15 K

5. A material, which is affected by changes in some feature of the environment, such as temperature is called a ...

sensor (Text p. 199) a sensor is a material which is affected by changes in temperature

circuit

signal

responder

6. Recording thermometers are called thermographs. The 'temperature writer' uses a rotating drum to record changes in temperature. Tiny movements of this device can make large movements of the recording instrument. The device which makes these tiny movements is the ...

lever

pen

bimetallic strip (Text p. 200) Figure 3.11 The bimetallic strip responds to changes in temperature

rotating drum