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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Which of the following represents a different temperature than the other three?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 15°C | b.  | 59°F |
|   | c.  | 475°K | d.  | 519°R |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| 2. Of the following choices, the warmest temperature is \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 20°C | b.  | 303°K |
|   | c.  | 501°R | d.  | 77°F |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| 3. Temperature can be thought of as \_\_\_\_.

|  |  |  |
| --- | --- | --- |
|   | a.  | the amount of heat in a material |
|   | b.  | the density of the material |
|   | c.  | a description of the level of heat |
|   | d.  | the weight of the total mass of the material |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| 4. At standard conditions on the Celsius scale, water will boil at \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 100°C | b.  | 212°C |
|   | c.  | 32°C | d.  | 0°C |

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5. Pure water boils at a temperature of 212°F at which of the following standard conditions?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 12.696 psia | b.  | 13.696 psia |
|   | c.  | 14.696 psia | d.  | 15.696 psia |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6. The temperature on the Fahrenheit scale where all molecular biology activity stops is \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | -450°F | b.  | -460°F |
|   | c.  | -0°F | d.  | -462.95°F |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7. The temperature on the Celsius scale where all molecular activity stops is \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | -273°C | b.  | -293°C |
|   | c.  | -460°C | d.  | -459.6°C |

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 8. As the temperature of a material increases, the molecules in the material \_\_\_\_.

|  |  |  |
| --- | --- | --- |
|   | a.  | stop moving |
|   | b.  | travel faster |
|   | c.  | slow down |
|   | d.  | travel in more of a parallel direction |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 9. The Celsius equivalent of 80°F is \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 25.5°C | b.  | 26.7°C |
|   | c.  | 26.3°C | d.  | 27.5°C |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Multiple Choice |
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| 10. How many Btus are required to change one pound of ice at 20°F to steam at 220°F?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 1,304 Btu | b.  | 2,608 Btu |
|   | c.  | 6,520 Btu | d.  | 3,912 Btu |

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 11. How many Btus are required to change five pounds of ice at 20°F to steam at 220°F?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 1,304 Btu | b.  | 2,608 Btu |
|   | c.  | 6,520 Btu | d.  | 3,912 Btu |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | Multiple Choice |
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| 12. How many Btus must be removed from one pound of water at 200°F for it to end up as ice at 30°F?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 144 Btu | b.  | 828 Btu |
|   | c.  | 313 Btu | d.  | 526 Btu |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13. The amount of heat needed to change the temperature of a substance will vary with the type of substance. This heat quality is called the \_\_\_\_ of the substance.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | sensible heat | b.  | specific heat |
|   | c.  | latent heat | d.  | relative heat |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Specific Heat |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 14. The standard atmospheric pressure at sea level is \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | 29.60 in. Hg | b.  | 29.71 in. Hg |
|   | c.  | 29.83 in. Hg | d.  | 29.92 in. Hg |

|  |  |
| --- | --- |
| *ANSWER:* | d |
| *POINTS:* | 1 |
| *REFERENCES:* | Atmospheric Pressure |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 15. PSIG indicates \_\_\_\_.

|  |  |  |
| --- | --- | --- |
|   | a.  | pounds per square inch gravity pressure |
|   | b.  | pounds per square inch gauge pressure |
|   | c.  | pounds per square inch of pressure absolute |
|   | d.  | pounds per square inch of gravity |

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |
| *REFERENCES:* | Pressure Gauges |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| 16. A Bourdon tube is often found in a(n) \_\_\_\_.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | a.  | mercury barometer | b.  | aneroid barometer |
|   | c.  | pressure gauge | d.  | mercury thermometer |

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |
| *REFERENCES:* | Pressure Gauges |
| *QUESTION TYPE:* | Multiple Choice |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 17. Water boils at 212°C.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18. Water at 0°F has no heat energy or molecular activity.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19. The Fahrenheit scale is used in the English measurement system by the United States.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 20. Temperature difference does not affect heat transfer rate.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 21. The difference in the volume of two substances will determine the heat transfer rate between the substances.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | True / False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 22. The difference in the level of heat between two substances will determine the heat transfer rate between the substances.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 23. The laws of thermodynamics can help us to understand what heat is all about.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 24. Both sensible heat and latent heat transfers can be read with a thermometer.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | False |
| *POINTS:* | 1 |
| *REFERENCES:* | Sensible HeatLatent Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 25. In order for water at 60°F to boil, it must absorb both sensible and latent heat.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 26. When water at 212°F boils, it is only absorbing latent heat.

|  |  |  |
| --- | --- | --- |
|   | a.  | True |
|   | b.  | False |

|  |  |
| --- | --- |
| *ANSWER:* | True |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | True / False |
| *HAS VARIABLES:* | False |
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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 27. The two common temperature scales used by air conditioning and refrigeration technicians are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| *ANSWER:* | Fahrenheit, CelsiusCelsius, Fahrenheit |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 28. The Fahrenheit absolute scale is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scale.

|  |  |
| --- | --- |
| *ANSWER:* | Rankine |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
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| 29. The Celsius absolute scale is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scale.

|  |  |
| --- | --- |
| *ANSWER:* | Kelvin |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
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| 30. PSIA at sea level under standard conditions is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| *ANSWER:* | 14.696 psi |
| *POINTS:* | 1 |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 31. Heat that changes the temperature of a substance is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ heat.

|  |  |
| --- | --- |
| *ANSWER:* | sensible |
| *POINTS:* | 1 |
| *REFERENCES:* | Sensible Heat |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 32. In \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ heat or hidden heat, heat is known to be added, but no temperature rise is noticed.

|  |  |
| --- | --- |
| *ANSWER:* | latent |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 33. Raising the vapor temperature above the boiling point is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

|  |  |
| --- | --- |
| *ANSWER:* | superheating |
| *POINTS:* | 1 |
| *REFERENCES:* | Latent Heat |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 34. Earth’s atmosphere exerts a weight or pressure of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ psi at sea level.

|  |  |
| --- | --- |
| *ANSWER:* | 14.696 |
| *POINTS:* | 1 |
| *REFERENCES:* | Atmospheric Pressure |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 35. Atmospheric pressure in inches of mercury (in. Hg) decreases \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in. per 1000 feet increase in elevation.

|  |  |
| --- | --- |
| *ANSWER:* | 1one |
| *POINTS:* | 1 |
| *REFERENCES:* | Atmospheric Pressure |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 36. A gauge that reads pressures above and below atmospheric pressure is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gauge.

|  |  |
| --- | --- |
| *ANSWER:* | compound |
| *POINTS:* | 1 |
| *REFERENCES:* | Pressure Gauges |
| *QUESTION TYPE:* | Completion |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 37. Define a Btu.

|  |  |
| --- | --- |
| *ANSWER:* | The amount of heat required to raise the temperature of 1 pound (lb) of water 1°F. |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 38. What does the first law of thermodynamics state?

|  |  |
| --- | --- |
| *ANSWER:* | ​The first law of thermodynamics states that energy can be neither created nor destroyed, but can be converted from one form to another. |
| *POINTS:* | 1 |
| *REFERENCES:* | Introduction to Heat |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 39. Explain heat transfer by conduction.

|  |  |
| --- | --- |
| *ANSWER:* | Heat transfer by conduction can be explained as the energy actually traveling from one molecule to another. |
| *POINTS:* | 1 |
| *REFERENCES:* | Conduction |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 40. What are the most common fluid mediums in the heating and air-conditioning trades?

|  |  |
| --- | --- |
| *ANSWER:* | The most common fluid mediums in the heating and air-conditioning trades are air and water. |
| *POINTS:* | 1 |
| *REFERENCES:* | Convection |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 41. Why is radiation the only type of heat transfer that can travel through a vacuum, such as space?

|  |  |
| --- | --- |
| *ANSWER:* | Because it is not dependent on matter as a medium of heat transfer. |
| *POINTS:* | 1 |
| *REFERENCES:* | Radiation |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| 42. What is the difference between a mercury barometer and an aneroid barometer?

|  |  |
| --- | --- |
| *ANSWER:* | The mercury  barometer compares atmospheric pressure against the weight of a mercury column. The aneroid barometer compares atmospheric pressure against pressure inside closed bellows. |
| *POINTS:* | 1 |
| *REFERENCES:* | Atmospheric Pressure |
| *QUESTION TYPE:* | Subjective Short Answer |
| *HAS VARIABLES:* | False |
| *STUDENT ENTRY MODE:* | Basic |
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| *Match the temperature in degrees Celsius with the correct equivalent Fahrenheit temperature.*

|  |  |
| --- | --- |
| a.  | 32°F |
| b.  | 1.4°F |
| c.  | 212°F |
| d.  | 50°F |
| e.  | -49°F |
| f.  | 77°F |

|  |  |
| --- | --- |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Matching |
| *HAS VARIABLES:* | False |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 43. 100°C

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 44. 0°C

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 45. 25°C

|  |  |
| --- | --- |
| *ANSWER:* | f |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 46. -45°C

|  |  |
| --- | --- |
| *ANSWER:* | e |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 47. 10°C

|  |  |
| --- | --- |
| *ANSWER:* | d |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 48. -17°C

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Match the temperature in degrees Fahrenheit with the correct equivalent Celsius temperature.*

|  |  |
| --- | --- |
| a.  | 35°C |
| b.  | -10°C |
| c.  | 200°C |
| d.  | 80°C |
| e.  | 15°C |
| f.  | 50°C |

|  |  |
| --- | --- |
| *REFERENCES:* | Temperature |
| *QUESTION TYPE:* | Matching |
| *HAS VARIABLES:* | False |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 49. 392°F

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 50. 59°F

|  |  |
| --- | --- |
| *ANSWER:* | e |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 51. 122°F

|  |  |
| --- | --- |
| *ANSWER:* | f |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 52. 14°F

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 53. 95°F

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 54. 176°F

|  |  |
| --- | --- |
| *ANSWER:* | d |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Match the pressures in psia to the correct equivalent. (Use 15 as the conversion between psia and psig.)*

|  |  |
| --- | --- |
| a.  | 5 psig |
| b.  | 30 in. Hg vacuum |
| c.  | 70 psig |
| d.  | 10 psig |
| e.  | 10 in. Hg vacuum |
| f.  | 14 in. Hg vacuum |

|  |  |
| --- | --- |
| *REFERENCES:* | Pressure Gauges |
| *QUESTION TYPE:* | Matching |
| *HAS VARIABLES:* | False |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 55. 10 psia

|  |  |
| --- | --- |
| *ANSWER:* | e |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 56. 85 psia

|  |  |
| --- | --- |
| *ANSWER:* | c |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 57. 8 psia

|  |  |
| --- | --- |
| *ANSWER:* | f |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 58. 0 psia

|  |  |
| --- | --- |
| *ANSWER:* | b |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 59. 20 psia

|  |  |
| --- | --- |
| *ANSWER:* | a |
| *POINTS:* | 1 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 60. 25 psia

|  |  |
| --- | --- |
| *ANSWER:* | d |
| *POINTS:* | 1 |

 |