
Student

Class

Heat Technologies

History of Heat Technologies

- The need to stay warm has always been a part of life for humans. Until about 1600, people thought that heat was a combination of ...
 - Light and air
 - Fire and air
 - Light and fire
 - Color and light
- In early times, people observed that heat – because it seemed to flow from a hot place to a cold place – must be an invisible fluid that they called ...
 - temperature
 - energy
 - thermal
 - caloric
- The Franklin stove, invented by Benjamin Franklin, is a heating technology that has a dual purpose. Besides heating a room, it was also used as a ...
 - smokehouse
 - foot warmer
 - cooking stove
 - bar-b-cue grill
- The official unit of heat energy is the ...
 - watt
 - joule
 - kilowatt
 - gigajoule
- 'Needs' are the basic required conditions for the survival of life. 'Wants' are not vital to survival. Which of the following statements represents a need?
 - I need that designer jacket, so I can stay warm this winter.
 - I need a glass of water to quench my thirst.
 - I need to camp in a trailer, so I don't freeze when I am camping.
 - I need a clear cover duo tang for my science lab notebook.
- The chimney first appeared in Europe in the ...
 - 1200s
 - 1400s
 - 1700s
 - 1800s
- The reappearance of central heating occurred in the late 1700s, as coal became the main fuel source. Central heating was originally developed around 100 B.C. by the ...
 - Americans
 - Canadians
 - Romans
 - Greeks

Heat Technologies in Everyday Life

8. A technology that has replaced boiling water over an open campfire gives us a warning when the water has boiled. This technology is ...
- A. **a micro-sensing digital boiler**
 - B. **a solar powered water heater**
 - C. **an electric kettle**
 - D. **a hot water heater**
9. This type of Thermal Energy source can be used to cook food, but they are hard to control, dangerous and messy.
- A. **open fire**
 - B. **Franklin stove**
 - C. **pioneer stove**
 - D. **modern gas stove**
10. Choose the technology that you would need so that you could heat a large room in your house, and maintain a constant comfortable temperature in that room.
- A. **a gas furnace**
 - B. **a wood-burning fireplace**
 - C. **an electric fireplace**
 - D. **a digital thermostat**
11. Overheating can be a problem for hand-held hair dryers. A device, that is used to shut off the thermal energy when it gets too hot, is needed. This device is ...
- A. **automatically controlled**
 - B. **the heating element**
 - C. **the fan**
 - D. **a button on the hair dryer**
12. What unit of energy does the heating company use to determine the amount of money they charge to help fuel the heating technology in your house ...
- A. **kilowatt**
 - B. **gigajoule**
 - C. **watt**
 - D. **joule**

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