National Thermal Engineer Day Quiz

1. When is National Thermal Engineer Day celebrated?
- o a) July 24
- o b) August 14
- o c) June 5
- o d) September 29

(Answer: a) July 24)

2. Which company founded National Thermal Engineer Day?
- o a) Google
- o b) Advanced Thermal Solutions, Inc.
- o c) Intel
- o d) General Electric

(Answer: b) Advanced Thermal Solutions, Inc.)

3. In which year was National Thermal Engineer Day first observed?
- o a) 2014
- o b) 2012
- o c) 2016
- o d) 2010

(Answer: a) 2014)

4. What do thermal engineers primarily work with?
- o a) Light waves
- o b) Temperature and heat transfer
- o c) Sound waves
- o d) Magnetic fields

(Answer: b) Temperature and heat transfer)

5. Which of these is a common application of thermal engineering?
- o a) Image editing
- o b) Solar panel cooling
- o c) Language translation
- o d) Web development

(Answer: b) Solar panel cooling)

6. What is the main mode of heat transfer in vacuum?
- o a) Conduction
- o b) Convection
- o c) Radiation

o d) Diffusion
(Answer: c) Radiation)

7. Which of these devices is used to measure temperature?
o a) Thermocouple
o b) Accelerometer
o c) Oscilloscope
o d) Multimeter
(Answer: a) Thermocouple)

8. Which branch of engineering includes thermal sciences?
o a) Civil engineering
o b) Mechanical engineering
o c) Chemical engineering
o d) Computer engineering
(Answer: b) Mechanical engineering)

9. What is thermal conductivity?
o a) Resistance to electricity
o b) Speed of sound in a material
o c) Ability of a material to conduct heat
o d) Light absorption property
(Answer: c) Ability of a material to conduct heat)

10. Which material has the highest thermal conductivity?
o a) Copper
o b) Aluminum
o c) Silver
o d) Diamond
(Answer: d) Diamond)

11. What does CFD stand for in thermal engineering?
o a) Constant Flow Dynamics
o b) Compressed Fluid Design
o c) Computational Fluid Dynamics
o d) Critical Flow Determination
(Answer: c) Computational Fluid Dynamics)

12. Heat sinks are used for what purpose?
o a) Reduce light reflection
o b) Store thermal energy
o c) Increase heat generation
o d) Dissipate heat from components
(Answer: d) Dissipate heat from components)

13. In which sector are thermal engineers not typically involved?

- o a) Electronics cooling
- o b) Aerospace systems
- o c) Biochemical testing
- o d) Power plants

(Answer: c) Biochemical testing)

14. What is the unit of thermal conductivity in SI units?

- o a) Watts per meter-Kelvin
- o b) Newton per second
- o c) Joule per cubic meter
- o d) Kelvin per Watt

(Answer: a) Watts per meter-Kelvin)

15. Which software is commonly used for thermal simulation?

- o a) Photoshop
- o b) ANSYS
- o c) Excel
- o d) AutoCAD

(Answer: b) ANSYS)