

INSPIRED TOTS EARLY LEARNING CENTER
SECOND TERM ASSESSMENT 2023/2024 SESSION

Basic Science.

4th Grade

1. The mechanical process by which an engine turns fuel into force is called _____ (a) combustion (b) acceleration (c) over heating (d) compression
2. The _____ is connected to the crankshaft which carries the force to the wheel of the car. (a) valves (b) piston (c) exhaust (d) engine
3. The cylinder in every vehicle works in four different stages. They include (a) intake, compression, power and engine. (b) compression, engine, power and acceleration (c) Intake, compression, power, and exhaust (d) exhaust, power, piston, combustion
4. What must be fastened before you set off on your journey? (a) airbag (b) a seatbelt (c) the gear pedal (d) the brake pedal
5. The technical instrument used for measuring and drawing angles is called _____ (a) a set square (b) a protractor (c) a compass (d) a divider
6. The instrument used in measuring the distance between two points is called _____.
7. The pedal of a motor vehicle is divided into _____
8. The _____ allows the driver to change the direction of the front wheel of the car to steer around corners.
9. The _____ pedal allows the driver to change gears smoothly.
10. The pedal responsible for slowing down the speed of a vehicle is called _____.
11. A drawing instrument with two sharp point at the end of each arm is called _____.
12. The sum of angles on a straight line sums up to _____ degrees.
13. The motor vehicle moves using a combustion engine. **True/False**
14. The valves control how much fuel goes into the engine. **True/False**
15. The pistons are connected to the crankshaft. **True/False**
16. The ability to do all kinds of work is termed **Energy**. **True/ False**
17. _____ energy is referred to as **stored energy**? (a) potential energy (b) kinetic energy (c) sound energy (d) chemical energy
18. Potential energy is subdivided into _____ types
19. A situation in which one form of energy becomes another is referred to as **energy** _____ (a) converter (b) conversion (c) control (d) condition

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20. The kind of energy an object has due to its motion is referred to as
_____ (a) heat energy (b) kinetic energy (c) sound energy (d) chemical energy

Complete the sentences using the words below

(Chemical, electrical, heat, kinetic, light, potential, sound)

21. A television converts _____ energy into _____ energy and
_____ energy

22. A parachutist that jumps from a stationary balloon converts _____ energy
into _____ energy

23. When we burn wood, _____ energy is converted into light and
_____ heat energy

24. Temperature can be measured using two different scales. They include (a) length
and farenheit (b) width and breath (c) Celsius and Jules (d) Celsius and Fahrenheit

25. Analogue, Digital and bimetallic are the three main types of _____
(a) energy (b) scale (c) thermometer (d) temperature

26. Objects that produces heat are called heat _____ (a) sources (b) scales (c)
temperature (d) terminal

27. Heat is often measured in Joules **True/False**

28. The amount of thermal energy in a substance is called _____

29. An analogue thermometer changes color to indicate the temperature of an object
True/False

30. The sum of angles in a triangle sums up to _____°