

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

**Basic Science.**

**4<sup>th</sup> 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 \_\_\_\_\_°