



**Date:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Grade:** 4 \_\_\_\_\_

**Max Marks:** 100

**Subject:** Science


**General Instructions:**

1. All questions are compulsory
2. Tick the correct answer

Q. No.	MCQ	Marks
1.	<b>Which of the following produce the thermal energy?</b> a. Fan b. Radio c. Fireplace d. Alarm clock	5m
2.	<b>You are asked to design a product that will change electrical energy to motion energy. Choose the item or tool you would research while developing your product.</b> a. Hair dryer b. Alarm clock c. Ceiling fan d. Cell phone	5m
3.	<b>Energy from the Sun can be used directly for.....</b> a. provide light b. making sound c. water cooling d. making ice	5m
4.	<b>Which best describe how energy changes in a lamp?</b> a. from chemical to thermal b. From electrical to light c. From electrical to thermal d. From electrical to chemical	5m
5.	<b>What does the student need to add to the circuit to make it work?</b> a. Another bulb b. Battery c. Only a switch d. Another wire	5m



6.	<p><b>The thermal energy transfer between two solid objects by .....</b></p> <p>.....</p> <ul style="list-style-type: none"> <li>a. Conduction</li> <li>b. Convection</li> <li>c. Radiation</li> <li>d. Radiation and convection</li> </ul>	5m
7	<p><b>When you see a thunderstorm. What are the forms of energy that a storm gives?</b></p> <ul style="list-style-type: none"> <li>a. Light, sound, and chemical</li> <li>b. Light and sound only</li> <li>c. Sound and electrical only</li> <li>d. Sound and electricity only</li> </ul>	5m
8	<p><b>In an electric circuit, what stops the flow of electricity?</b></p> <ul style="list-style-type: none"> <li>a. Voltage source</li> <li>b. Conductor</li> <li>c. Insulator</li> <li>d. Resistor</li> </ul>	5m
9	<p><b>Oil fuels is.....</b></p> <ul style="list-style-type: none"> <li>a. Renewable</li> <li>b. nonrenewable</li> <li>c. unlimited sources</li> <li>d. inexpensive sources</li> </ul>	5m
10.	<p><b>Which is an example of a nonrenewable resource?</b></p> <ul style="list-style-type: none"> <li>a. Wind</li> <li>b. Sunlight</li> <li>c. Coal</li> <li>d. water</li> </ul>	5m
11	<p><b>Which statement true?</b></p> <ul style="list-style-type: none"> <li>a. A lamp changes thermal energy to electrical energy.</li> <li>b. A lamp changes light energy to electrical energy</li> <li>c. A fan changes electrical energy to motion energy</li> <li>d. You cannot change energy from one form to another</li> </ul>	5m
12	<p><b>A wire in a circuit .....</b></p> <ul style="list-style-type: none"> <li>a. acts as an insulator</li> <li>b. transfer electricity</li> <li>c. allows or stops the flow of electricity</li> <li>d. keeps the flow of electricity at a safe level</li> </ul>	5m

13.	<b>The sound does not travel in .....</b> a. Water b. Air c. Solid d. outer space	5m
14.	<b>What produces the sound?</b> a. Light waves b. Beams c. Pulses d. Vibrations	5m
15	<b>What is the fastest medium for sound to travel?</b> a. Air b. Gas c. Ice d. Water	5m
16	<b>Which statement is not true about wind energy?</b> a. Wind energy is created using fossil fuels b. Wind energy is a renewable resource c. Wind energy is used to generate electricity. d. Wind energy is harmless to the environment.	5m 
17	<b>The electricity produced by nuclear reactors comes direct from</b>  a. Geothermal energy b. Hydroelectricity c. Sun energy d. Nuclear energy	5m
18	<b>Oil, gas and coal all are .....</b> a. Inexpensive resources b. non- polluting energy sources for the environment c. fossil fuel d. renewable energy resources	5m
19	<b>Which of the following is an example of biomass??</b> a. Earth b. Sun c. Crops d. Gas	5m
20	<b>Which method of powering a vehicle will help to reduce air pollution</b> a. Using oil fossil fuels b. Using electricity c. Using gasoline d. Using diesel	5m