Al Asalah School

MOCK TEST

Term II

مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT

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.	**Which of the following produce the thermal energy?** a. Fan b. Radio c. Fireplace d. Alarm clock	5m
2.	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. a. Hair dryer b. Alarm clock c. Ceiling fan d. Cell phone	5m
3.	Energy from the Sun can be used directly for..... a. provide light b. making sound c. water cooling d. making ice	5m
4.	**Which best describe how energy changes in a lamp?** a. from chemical to thermal b. From electrical to light c. From electrical to thermal d. From electrical to chemical	5m
5.	**What does the student need to add to the circuit to make it work?** a. Another bulb b. Battery c. Only a switch d. Another wire 	5m

LIVEWORKSHEETS

6.	**The thermal energy transfer between two solid objects by ……. ……** a. Conduction b. Convection c. Radiation d. Radiation and convection	5m
7	**When you see a thunderstorm. What are the forms of energy that a storm gives?** a. Light, sound, and chemical b. Light and sound only c. Sound and electrical only d. Sound and electricity only	5m
8	**In an electric circuit, what stops the flow of electricity?** a. Voltage source b. Conductor c. Insulator d. Resistor	5m
9	**Oil fuels is……** a. Renewable b. nonrenewable c. unlimited sources d. inexpensive sources	5m
10.	**Which is an example of a nonrenewable resource?** a. Wind b. Sunlight c. Coal d. water	5m
11	**Which statement true?** a. A lamp changes thermal energy to electrical energy. b. A lamp changes light energy to electrical energy c. A fan changes electrical energy to motion energy d. You cannot change energy from one form to another	5m
12	**A wire in a circuit ……** a. acts as an insulator b. transfer electricity c. allows or stops the flow of electricity d. keeps the flow of electricity at a safe level	5m

LIVEWORKSHEETS

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

LIVEWORKSHEETS