مؤسسة الإمارات للتعليم المدرسي
EMIRATES SCHOOLS ESTABLISHMENT

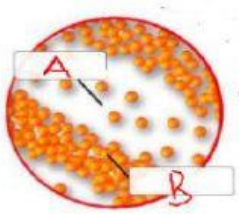
Al Asalah School
TERM -2
Review Module 1

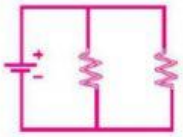
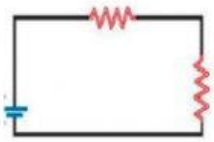
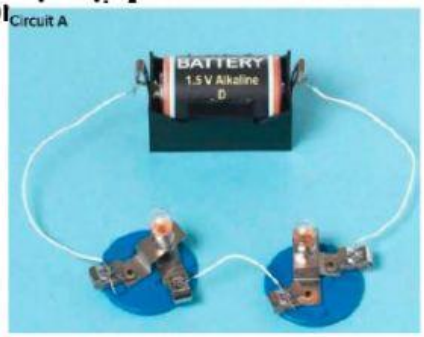
By Rounaque Saba **Name:**_____ **Grade:** 4___
Subject: Science

General Instructions:
1. All questions are compulsory
2. Select the correct answer

Q. No.	MCQ	Marks
1	**Thermal energy is** a. the internal energy of an object due to the kinetic energy of its particles b. the external energy of an object due to its potential energy c. the internal energy of an object due to the stored energy of its particles	
2	**A child hitting a drum creates vibrations that produce** a. Sound Energy b. Electrical energy c. Thermal energy d. Light energy	
3	**You are asked to design a product that will change electrical energy to heat energy. Choose the item you would research while developing your product.** a. Alarm clock b. Ceiling fan c. Hair dryer d. Cell phone	
4	**Which best describes how energy changes in a toaster?** a. Chemical to thermal. b. Electrical to light c. Electrical to thermal d. Electrical to Chemical	
5	**Dan made the following observation in his science notebook.** **The radio sitting on my table made my water move. What can he conclude?** a. Some types of energy cannot transfer through water b. Sound energy of the radio transferred to the water c. Electrical energy of the radio transferred through the water d. Only light can move through water	

6	**Energy transfer MOTION TO SOUND** **Which one below describes this energy transfer?** a. Burning candle heats up b. Plucked guitar string makes noise c. Ball rolls down a hill d. Rubbing warms hands	
7	**A pom-pom launcher_____.** **a.** Transfers kinetic energy to thermal energy **b.** Transfers kinetic energy to sound energy **c.** Transforms stored energy into energy of motion **d.** Transfers energy of motion to stored energy	
8	**How does sound energy travel?** **a.** In strings **b.** In beams **c.** In waves **d.** In pulses	
9	**Sound is a type of_____.** **a.** Energy of motion **b.** Potential Energy **c.** Thermal Energy **d.** Store Energy	
10	**A fire truck's siren and flashing lights are examples of_____and _____ energy. Choose two answers.** **a.** Heat **b.** Light **c.** Sound **d.** Chemical	
11	**To stop a drum from producing sound, you would_____.** **a.** Hit it harder **b.** Hit it softer **c.** Stop it from vibrating **d.** Place it in water	
12	**Astronauts in space cannot talk to each other unless they use a radio to speakback and forth. Why is this?** **a.** The air is too thick to carry sound waves efficiently. **b.** The force of gravity is too strong to allow sound waves to travel. **c.** There is no air in space, so there is no medium to carry sound waves. **d.** It is very loud in space, so they can only hear each other through aradio	

13	**Sound waves travel the fastest through_____.** **a.** Solid **b.** Liquids **c.** Gases **d.** Space	
14	**What is A in given photo** a. Rarefaction b. Compression c. Solid d. none 	
15	**A form of energy that allows you to see objects is** a. Light energy b. Sound energy c. Heat energy d. Eclectic energy	
16	**Solar cell is a device that** a. Use light from sun to produce electricity b. Use electricity to change inti light c. Use heat to produce electricity	
17	**When a student plays a guitar, how does the sound travel to reach your ears?** **a.** Using echoes **b.** Through potential energy **c.** Through thermal energy **d.** Through sound waves 	
18	**You are watching fireworks on UAE National Day. When the fireworks are setoff, they give off three forms of energy. Which three forms of energy are given off?** **a.** Light, Sound, Electrical **b.** Light, sound, heat **c.** Sound, electrical, mechanical **d.** Heat, mechanical, electrical 	
19	**A flow of electrical charges is known as _____.** a. Circuit b. Voltage c. electricity	

20	**In an electric circuit, a battery can act as a __.** **a.** Resistor **b.** Light **c.** Voltage source	
21	**A conductor is a** a. material that increases the amount of electricity b. material through which electricity flows easily **c.** material that stops the flow of energy	
22	**Which of the following is correct circuit diagram fo** **a.**  **b.**  	
23	**A (An) _____is a material that slows or stops the flow of energy.** a.Conductor b.Insulator c.battery d.flashlight	
24	**A switch in a circuit** **a)** Acts as an insulator **b)** Absorbs electricity **c)** Allows or stops the flow of electricity	
25	**Heat moves from an object with _____to an object with a _____temperature** **a)** Higher to lower **b)** Lower to higher **c)** Higher to higher **d)** Lower to lower	
26	**It is very hot outside, and you walk barefoot on hot pavement. Predict what will happen** **a)** The transfer of heat energy from the pavement will cause your feet to feel hot **b)** The transfer of light energy from the pavement will cause your feet to feel hot. **c)** The transfer of light energy from the pavement will cause your feet to feel cold	

27	**In the image below, what evidence can you gather to prove that energy is being transferred?**  **a)** The smoke shows that the grill is transferring heat energy to cook the food **b)** . The smoke shows that the grill is transferring sound energy to cook the food. **c)** The smoke shows that the grill is transferring electrical energy to cook the food	
28	. **Heat transfer easily through _____** **a.** Conductor **b.** Insulator **c.** Solid **d.** Liquid	
29	**How does heat travel from the sun to earth?** **a.** Conduction **b.** Convection **c.** Radiation **d.** all	
30	**A farmer needed to keep his baby chicks warm. He placed a light in their cage. Which sentence best explains the farmer's thinking of placing a light in the cage?** a. The farmer thought that the chicks would eat more to stay warm if they can see their food. b. The farmer thought that the light would encourage the chicks to huddle together to keep themselves warm. c. The farmer thought that the chicks would be healthier if they were not in the dark d. The farmer thought the light would transfer thermal energy to the chick's cage	