Worksheet

Science Grade 5

Name ……..……..…..

Class ……

No ……..……

PART 1: Multiple Choice (Questions 1-25)

1 Related to electricity! **(page 74)**

A. chemical B. electrical charge C. electrical D. circuit

2 What are electrical charges? **(page 75)**

A. positive charge B. neutral charge C. negative charge D. A and C

3 The measurement of electrical energy! **(page 74)**

A. ohms B. watts C. amps D. volts

4 What is the measurement of electrical power? **(page 74)**

A. volts B. ohms C. watts D. amps

5 We use _____ to see which objects have or don't have a charge. **(page 77)**

A. pith ball B. battery C. lightning rod D. circuit

6 A basic law of universe is that charges that are alike (same) _____ each other! **(page 76)**

A. don't attract B. attract C. pull D. none of above

7 Positive charge comes from _____, negative charge comes from _____. **(page 74)**

A. proton-proton B. electron-electron C. proton-electron D. electron-proton

8 A bolt of lightning is about 30,000 °c; _____ times hotter than the surface of the sun. **(page 77)**

A. 4 B. 5 C. 6 D. 7

9 Benjamin franklin discovered the _____ which prevents damage caused by lightning. **(page 78)**

A. dynamo B. lightning rod C. heat coupling D. solar cell

10 Lightning rod is a strip of _____which goes from the top of building to the earth. **(page 78)**

A. paper B. plastic C. metal D. wood

LIVEWORKSHEETS

11 The pushing away of one thing by another! **(page 74)**

A. attraction B. induction charge C. repulsion D. A and C

12 The pulling towards one thing by another! **(page 73)**

A. repulsion B. induction charge C. attraction D. all of the above

13 A flash of bright light in the sky! (Only light) **(page 78)**

A. thunderstorm B. thunder C. lightning D. thunderbolt

14 A loud noise in the sky that we can hear! (Only sound) **(page 78)**

A. thunderstorm B. lightning C. thunderbolt D. thunder

15 A flash of lightning and sound of thunder together! (sound and light) **(page 78)**

A. lightning B. thunderbolt C. thunder D. lightning rod

16 A device which change energy of movement into electrical energy! **(page 74)**

A. dynamo B. heat coupling C. solar cell D. dry-cell battery

17 Something that changes the heat and light from the sun into electricity! **(page 74)**

A. lightning rod B. solar cell C. dynamo D. heat coupling

18 It changes the chemical energy into electric power! **(page 81)**

A. solar cell B. dry-cell battery C. dynamo D. A and B

19 A means of creating electricity using different metals at different temperature! **(page 74)**

A. heat coupling B. dynamo C. solar cell D. dry-cell battery

20 A very big and heavy battery with lots of pieces of lead and containing sulfuric acid! **(page 84)**

A. solar cells B. dry-cell battery C. car battery D. heat coupling

21 They are often used in small things like calculators and clocks! **(page 84)**

A. dry-cell battery B. dynamo C. solar cell D. car battery

22 A material through which electric charges can easily flow is a/an _____. **(page 85)**

A. conductor B. non-conductor C. insulator D. all of the above

23 A material which <u>does not</u> allow electric charges to flow along is called a/an _____. **(page 85)**

A. insulator B. conductor C. non-conductor D. A and C

LIVEWORKSHEETS

24 Which one is an insulator? **(page 85)**

A. copper B. iron C. lead D. wood

25 Which one is a conductor? **(page 85)**

A. gold B. wood C. plastic D. paper

PART 2: Fill in the blank by using words inside the box. (pages 73 and 74)

F. Attraction	**H.** Repulsion	**J.** Neutralize
G. Current	**I.** Battery	

26 Something for storing an electrical charge _____

27 To stop something from having an effect _____

28 The pulling towards one thing by another _____

29 A flow of water, air or electricity in a particular direction _____

30 The pushing away of one thing by another _____

LIVEWORKSHEETS