

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

- 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 does not allow electric charges to flow along is called a/an _____. (page 85)
- A. insulator B. conductor C. non-conductor D. A and C

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
