

8th Std Science Term 2 – Book Back Questions With Answers in English
8th Std Term 2

1. Body Movements

I. Fill in the blanks

1. A tendon attaches a _____ to a _____

Ans: Muscles to a bone

2. Earthworms move with the help of body muscles and _____

Ans: Setae

3. Bones have a strong covering like skin, this outer layer is _____

Ans: periosteum

4. Human body is made up of bones which are known as _____

Ans: skeletal system

5. _____ are thick strands or sheets of connective tissue.

Ans: Tendons

6. _____ is a hard, greyish white substance.

Ans: bone

7. Bone contains _____ of organic matter.

Ans: one third

8. _____ is the site of formation of RBC.

Ans: Soft marrow

9. Bones protect vital organs like _____ and _____

Ans: brain, heart

10. According to their shape bones are classified into _____ types.

Ans: 4

11. Bones have a strong outermost layer called _____

Ans: periosteum

12. Bones of thighs are _____ bones.

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Ans: long

13. Facial bones are _____ bones.

Ans: irregular

14. Bones fit together at joints by means of _____

Ans: ligaments

15. _____ is a point of contact between bones.

Ans: joint

16. Tarsal bones form _____ joint.

Ans: synovial

17. _____ is present inside synovial membrane.

Ans: synovial fluid

18. _____ has a cartilaginous joint

Ans: Ear lobe

19. Ball and socket joints is _____

Ans: hip joint

20. In _____ joint articulating surface are flat.

Ans: Gliding

21. Rotating of head from side to side is by _____ joint.

Ans: pivot

II. Choose the correct answer.

1. _____ forms the framework of human body.

- a. brain
- b. **bones**
- c. nerves
- d. limbs

2. Muscles are attached to bones by means of _____

- a. **tendons**
- b. ligaments
- c. tissues
- d. fibres

3. Tendons are thick strands or sheets of _____ tissue

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- a. fibrous b. elastic
- c. connective** d. muscular
4. Bone contains more amount of _____
- a. niacin b. chloride
- c. calcium** d. vitamins
5. Bone is a _____ substance.
- a. greyish white** b. pinkish
- c. blackish white d. yellow
6. Bone contains _____ amount of organic matter
- a. one third** b. two third
- c. one fourth d. more
7. Based on their shape, bone are of _____ types.
- a. 5 b. 4
- c. 2 d. 3
8. Which one of the following is not a vital organ.
- a. Heart b. lungs
- c. nail** d. brain
9. Types of bones are _____
- a. compact bone b. spongy bone
- c. light bone** d. both a & b
10. Site of formation of RBC's
- a. epithelium b. **soft marrow**
- c. liver d. periosteum
11. _____ forms the outer most layer of the bone.
- a. peritoneum b. endosfeum
- c. periosteum** d. pericardium
12. Which one of the following is a flat bone.

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- a. Toe
b. vertebrae
- c. wrist
d. **scapula**
13. _____ is a long bone.
- a. ankle
b. clavicle
- c. **femur**
d. vertebral
14. Facial bones are _____ bones.
- a. flat
b. **irregular**
- c. long
d. short
15. Sternum is a _____ shaped bone.
- a. long
b. short
- c. irregular
d. **flat**
16. Coccyx is an example of _____ bone.
- a. star shaped
b. linear
- c. **rudimentary**
d. short
17. Cranial bones come under _____ bone.
- a. long
b. short
- c. **flat**
d. regular
19. _____ is a point of contact between bones.
- a. **joint**
b. marrow
- c. autyl co-A
d. dendrite
20. Tip of nose is _____ form of joint.
- a. synovial joint
b. fibrous joint
- c. ellipsoidal joint
d. **cartilaginous**
21. Adult human skeleton consists of _____ bones.
- a. 200
b. 208
- c. 230
d. **206**
22. Skull is a _____ form of skeleton.

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- a. **axial** b. perpendicular
c. appendicular d. rigid
23. Pelvic girdle and bones of hind limbs are _____ skeleton.
a. human b. axial
c. **appendicular** d. focal
24. First seven pairs of ribs are attached to _____
a. **sternum** b. clavicle
c. scapula d. skull
25. Vertebral column is divided into _____ regions.
a. 10 b. 6
c. 8 d. **5**
26. Thoracic region consists of _____ vertebrae.
a. **12** b. 10
c. 5 d. 4
27. Human body consists of _____ of ribs.
a. twelve b. twenty
c. **twelve pairs** d. ten pairs
28. Smallest bone of human body is _____
a. femer b. **stapes**
c. ear d. nose
29. S-shaped movement of snake is known as _____
a. peristalsis b. static waves
c. **undulatory locomotion** d. vadicular waves
30. Pneumatic bones are present in _____
a. cat b. **birds**
c. snakes d. fish

III. Match the following

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1.

- | | |
|----------------------|-------------|
| 1. Long bones | a. clavicle |
| 2. Short bones | b. atlas |
| 3. Flat bones | c. skull |
| 4. irregular bones | d. wrist |
| 5. Atypical vertebra | e. femur |

Ans: 1-e,2-d,3-a,4-c,5-b

2.

- | | |
|------------------------|-----------------|
| 1. Ball & socket joint | a. Tarsal bones |
| 2. Hinge joint | b. tibia |
| 3. Gliding joint | c. Hip joint |
| 4. Pivot joint | d. Elbow |
| 5. Fibrous joint | e. atlas & axis |

Ans: 1-c,2-d,3-a,4-e,5-b

3.

- | | |
|---------------|--------------------------|
| 1. Earthworms | a. swift runner |
| 2. Birds | b. stream lined body |
| 3. snakes | c. pneumatic bones |
| 4. fish | d. undulatory locomotion |
| 5. cockroach | e. setae |

Ans: 1-e, 2-c,3-d,4-b,5-a

2. Air, Water and Soil Pollution

I. Fill in the blanks

1. Human beings damage healthy environment by _____

Ans: uncontrolled activities

2. _____ present in the earth's crust are the sources of radioactivity in the atmosphere.

Ans: Radioactive minerals

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3. Most of the environmental problems are related to the increasing _____

Ans: population

4. _____ leads to global warming.

Ans: Carbon dioxide

5. Sulphur burns with oxygen to give _____

Ans: Sulphur dioxide

6. The increase in the global mean temperature due to green house gases is called _____

Ans: global warming

7. Holes in the Ozone layer allow the harmful _____ rays to reach the earth.

Ans: U-V

8. _____ reduces the amount of pure fresh water.

Ans: Water pollution

9. Damage to soil results in _____

Ans: erosion

10. _____ systems carry waste from homes, offices and industry into water.

Ans: Sewage

11. Most heated water comes from _____ industries and power plants that use water for their _____

Ans: cooling towers

12. _____ the treated water for gardening or cooling purpose.

Ans: Reuse

13. _____ of water is a process of removing pollutants before it enters a water body.

Ans: Cleaning

14. The treated water has a very low level of _____

Ans: Organic material

15. Plastics cause _____ pollution.

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Ans: land

16. _____ is polluted by garbage.

Ans: Land

17. _____ destroy the insects.

Ans: Pesiticides

18. _____ hold soil in place.

Ans: Trees and Plants

19. Real estate development can cause _____

Ans: land pollution

20. _____ is biodegradable plastic.

Ans: Poly Hydroxy Butyrate

21. The _____ and _____ micro organism are responsible for degradation.

Ans: Eumycetes, Schizomycetes

22. The world's worst industrial disaster occurred in Bhopal was caused by the leakage of _____ gas.

Ans: Methyl Iso Cyanate (MIC)

23. Chlorofluorocarbon causes _____

Ans: Skin cancer

24. _____ poisoning causes minamata disease.

Ans: Mercury

25. The three points we should remember and follow in our day today life are _____

Ans: Reduce, Recycle and Reuse

II. Match the following.

1.

- | | |
|------------------------|--------------------|
| 1. Burning of sulphur | a. land pollution |
| 2. Combustion of fuels | b. fertilizer |
| 3. Waste from farms | c. Carbon monoxide |

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4. Withering of soil d. Sulphur dioxide
5. careless farming methods e. erosion

Ans: 1-d,2-c,3-b,4-e,5-a

2.

1. homo polymer a. water body
2. stream b. high uality fuel
3. Compresses Natural Gas c. acid rain
4. Nitrogen oxides d. pesticides
5. DDT e. biodegradable plastic

Ans: 1-e,2-a,3-b,4-c,5-d

III. Choose the correct answer

1. Man made sources of Air pollution are known as
a. Pathogenic **b. Anthropogenic**
2. The percentage of oxygen in air is
a. 78% **b. 20.9%**
3. Carboxy haemoglobin is formed due to the air pollutant.
a. Nitrogen dioxide **b. Sulphur dioxide**
4. Which of the following gas is responsible for global warming.
a. CO **b.CO₂**
5. The gas present in the stratosphere is
a. CO **b.CO₂**
6. Land is mainly polluted by
a. Sewage Wastes **b. Fertilizers**
7. The trade name of fully biodegradable plastic material naturally produced by micro organism is
a. Alcaligens d. Eurogens
8. Industrial emission / forest fire is a man made source of air pollution.

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a. CO

b. CO_2

Ans: Industrial emission

9. Nitrogen oxides / carbon dioxide cause acid rain.

Ans: Nitrogen Oxides

10. Sulphur dioxide causes lung cancer / global warming.

Ans: lung cancer

11. Oxides of Nitrogen dissolve in atmospheric water vapour forming nitric acid/ nitric oxide.

Ans: nitric acid

12. Ozone layer / acid rain causes corrosion of many buildings, bridges etc.

Ans: acid rain

13. Holes in the ozone layer allow the harmful X-Rays/U-V Rays to reach the earth.

Ans: U-V rays

14. The pollutants that affect water come mainly from ponds/ industries.

Ans: industries

15. Addition of hot water to body of water is called water pollution/ thermal pollution.

Ans: Thermal pollution

16. The process of waste water treatment is known as Sewage treatment/ Sewage system.

Ans: Sewage system

17. The use of excessive amount of fertilizer may decrease the pollution/ productivity of the soil.

Ans: productivity

18. Erosion/ Damage is the withering away of soil.

Ans: Erosion

19. Fertilizers make crops grow more quickly, but can also clean / poison rivers and streams.

Ans: poison

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20. The release of carbon dioxide/ Chlorofluorocarbon from refrigerators has caused a breakdown in the ozone layer.

Ans: Chlorofluorocarbon

21. To save our earth from water crisis, we have to plant/cut down trees.

Ans: plant

22. Planting more trees will increase the oxygen/ carbon dioxide content in the air.

Ans: Carbon dioxide

3. Atomic Structure**I. Choose the correct answer**

1. The same proportion of carbon and oxygen in carbon dioxide obtained from different sources proves the law of

- a. reciprocal proportion b. **definite proportion**

2. In water hydrogen and oxygen are in the ratio by mass

- a. 1:8 b. **8 : 1**

3. _____ are the building blocks of all matter.

- a. **Atoms** b. Molecules

4. Atoms are extremely small in size and it is expressed in terms of _____ m

- a. **1 A⁰** b. 10¹⁰

5. Total mass of material present after the chemical reaction is _____ as the total mass before chemical reaction.

- a. Barium chloride b. **Barium sulphate**

6. Water consists of hydrogen and oxygen in the ratio _____

- a. **1 : 8** b. 2:1

7. Matter is made up of small indivisible particles called _____

- a. Molecules b. **atoms**

8. An atom consists of _____ particles.

- a. neutral b. **charged**

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9. The first experimental evidence for the electrical nature of matter came from the experiments of _____

- a. John Dalton

10. The two electrodes of Cathode Ray Tube are connected with _____

- a. low voltage b. high voltage

11. The electrode connected to the positive terminal of the battery is called the _____

- a. Cathode**
b. Anode

12. is a fluorescent material.

- a. Zinc sulphide**

b. Magnesium sulphide

13. _____ can be defined as hydrogen ion.

- a. Electron

14. The positively charged particles obtained from hydrogen gas are called _____

- ## a. Electrons

15. The mass of the particle is the same as the _____ of the gas inside the discharge tube.

- a. atomic mass
- b. charge

16. The charge of an electron is _____

- a. +1 b. -1

17. _____ model of atom is known as plum pudding or apple pie model.

- a. Dalton's b. J.J. Thomson's

18. _____ were found as a stream of positively charged particles.

- a. Anode rays** **b. Cathode rays**

19. A _____ is used to lower the pressure inside the discharge tube.

- a. pump b. glass tube

20. _____ model of atom could successfully explain the electrical neutrality of atom.

- a. Dalton's

21. Sir. William Crooke conducted an experiment using a _____ and found certain visible rays.

8th Std Science Term 2 – Book Back Questions With Answers in English**a. discharge tube****b. conical flask**

22. The presence of _____ charged particles in an atom has been predicted by Goldstein.

a. positive**b. negative****II. Fill in the blanks.**

1. All living and non-living things are made up of _____

Ans: matter

2. When Hydrogen gas burns and combines with oxygen, it yields _____

Ans: water

3. During a physical change the total _____ of the matter remains the same.

Ans: mass

4. Water consists of the same two elements _____ and _____

Ans: Hydrogen, oxygen

5. Chemical formula of water is _____

Ans: H_2O

6. Atomic theory was proposed by an English school teacher _____

Ans: John Dalton

7. _____ is the smallest particle that take part in chemical reaction.

Ans: Atom

8. Michael Faraday showed that electricity is composed of particles called _____

Ans: atoms of electricity

9. The electrode which is connected to the negative terminal of the battery is called _____

Ans: cathode

10. Air is a _____ conductor of electricity.

Ans: poor

11. Cathode rays originate from the _____

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Ans: cathode

12. The nature of the cathode rays does not depend on the nature of the _____ inside the discharge tube.

Ans: gas

13. The presence of positive charged particles in the atoms has been predicted by _____

Ans: Goldstein

14. Each proton is produced when one _____ is removed from one hydrogen atom.

Ans: electron

15. The properties of _____ rays depend upon the nature of gas taken in the discharge tube.

Ans: anode

16. The relative charge of a proton is _____

Ans: positive

17. _____ can be defined as hydrogen ion(H^+)

Ans: proton

18. According to the law of conservation of mass, _____ is neither created nor destroyed during physical or chemical change.

Ans: mass

19. On rubbing two objects together, they become electrically _____

Ans: charged

20. When invisible radiation falls on materials like zinc sulphide, they will emit _____ light.

Ans: visible

21. Anode rays were found as a stream of _____ charged particles.

Ans: positively

22. _____ is the description of depending the arrangement of various fundamental particles inside an atom.

Ans: Atom model

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- a. series circuit b. **parallel circuit**
9. Which one of the following is not a conductor?
- a. copper b. **glass**
10. Which of the following is not an insulator?
- a. wood b. **iron**
11. The process by which an electrolyte is decomposed with the help of electricity is
- a. neutralisation b. **electrolysis**
12. The process by which metals like gold, silver are purified is called
- a. electroplating b. **electrofiding**
13. The process by which one metal is coated over other metal under the process of electrolysis is
- a. **electroplating** b. electrorefining
14. In the process of electroplating a silver spoon with gold, the Anode is
- a. silver spoon b. **acidified gold chloride solution**
15. In the process of electroplating a silver spoon with gold, the Cathode is
- a. **silver spoon** b. acidified gold chloride solution
16. Zinc coated iron is called
- a. IG pipes b. **GI pipes**
17. Chromium coating is employed on
- a. engine bearings b. **bath taps**
18. When the number of protons is higher than the number of electrons, the object is said to be
- a. negatively charged b. **positively charged**
19. When the number of electrons is more than the number of protons, the object is said to be
- a. **negatively charged** b. positively charged
20. A neutral object can be charged even without touching the neutral body with a charged body is called

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- a. charge by friction b. **charge by induction**
21. LED is made up of
a. conductors b. **semi conductors**
22. Silver plating is used on
a. cycle rim b. **table ware**
23. When liquids are heated density of liquid
a. increases b. **decreases**
24. Lightning arrester was discovered by
a. John Dalton b. **Benjamin Frankli**
25. The transfer of heat without the help of any material or medium is called
a. conduction b. **radiation**
26. The transfer of heat due to the actual movement of particles is
a. conduction b. **convection**
27. The transfer of heat from a body at higher temperature to a body at lower temperature, when they are in direct contact is called
a. conduction b. convection
28. The electricity that we use in our houses is obtained through _____ power stations/batteries.
- Ans: power stations
29. A ____ **power station**/ cell produces electricity in large scale.
30. The closed conducting path of current is known as an _____ component/ **electric circuit**
31. When the bulbs are connected end to end, the circuit is known as _____ parallel/**series** circuit.
32. In a series circuit _____ **same**/different amount of electric current flows through all the bulbs.
33. The electrical appliances of our houses are all connected in a _____ series/**parallel** circuit.
34. _____ **Aluminium**/ Plastic is a good conductor of electricity.

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35. Distilled water is a _____ **poor**/good conductor of electricity.
36. When current is passed through liquids, it produces a _____ physical/**chemical** change.
37. The negative end of battery is known as _____ anode/**cathode**.
38. Positive ions are attracted towards the anode/**cathode**.
39. _____ electrolyte/**electroplating** is the most common application of the chemical effects of electrical current.
40. In electroplating the metal to be coated is taken as _____ **anode**/ cathode.
41. _____ **Chromium**/silver plating iron is called Galvanized iron.
42. _____ Silver/**Zinc** coated iron is Galvanized iron.
43. _____ Thunder/**Lightning** is caused by the accumulation of charges in the cloud.
44. Molecules are made up of _____ **atoms**/ions.
45. The _____ **electron**/proton is negatively charged.
46. An atom is said to be electrically _____ **charged**/neutral when the number of protons and the number of electrons is not equal.
47. During the process of charging, only _____ **electrons**/ protons are transferred from one object to another.
48. The process of charging an object by rubbing with another object is known as charging by _____ conduction/**friction**.
49. When a charged body is placed in contact with another body, charges get _____ shared/**transferred** to be other body.
50. The process of charging a neutral object without touching it is called charging by _____ conduction/**induction**.
51. Connecting a charged object to the earth with the help of physical contact is called _____ **earthing**/induction.
52. _____ Charging/ **earth** connection is done to save human handling them safely and to save the appliances.
53. _____ **Rain**/white clouds carry electric charges.
54. _____ **Lightning**/electroscope is a high energy electric discharge.
55. The upper portion of a cloud carries _____ negative/**positive** charges.

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56. _____ Heat/**temperature** gives the measure of the degree of hotness or coldness of a body.
57. The electrical resistance of a conductor _____ **increases/decreases** on heating.
58. For the same amount of heat given the solids expand the _____ **least/most**.
59. Transfer of heat from a body at a higher temperature to a body at a lower temperature when in direct contact is called _____ convection/**conduction**.
60. Conduction takes place in _____ **solids/liquids**.
61. When liquids are heated, they expand the density _____ **decreases/increases**.
62. _____ Conduction/**convection** is the transfer of heat due to the actual movement of particles.

II. Fill in the blanks

1. The current produces _____ change, when it is passed through solutions.
Ans: chemical
2. The device used to detect and measure electric charges is _____.
Ans: electroscope
3. The flow of current requires a _____.
Ans: closed conducting path
4. Most liquids that conduct electricity are solutions of _____, _____ and _____.
Ans: Acids, bases and salts
5. The process of depositing a layer of any desired metal on another material by means of electricity is called _____, electroplating. This process involves the principle of _____.
Ans: Chemical effect of current
6. The _____ of the body rises when it is heated.
Ans: Temperature
7. The process by which heat is transferred without the help of any material medium is called _____.
Ans: Radiation
8. We should not touch the live electric wire with _____ hands.

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Ans: wet/bare

9. The electric power used through circuits is controlled by _____

Ans: switches

10. Flow of current requires a closed _____ path.

Ans: conducting

11. In a simple closed circuit, when the _____ is put on, the bulb glows.

Ans: switch

12. In a _____ circuit, each bulb is connected with the battery terminals by separate wires.

Ans: parallel

13. In a parallel circuit, _____ amount of current passes through the bulbs.

Ans: different

14. When one of the bulbs in a parallel circuit is removed, the other bulbs will glow because they have separate _____ path.

Ans: conducting

15. Materials which do not allow electric current to pass through them are called _____

Ans: insulators

16. Positive end of a battery is known as _____

Ans: chemical anode

17. A substance which conducts current either as a solution or in a fused state is called an _____

Ans: electrolyte

18. The process by which an electrolyte is decomposed with the help of electricity is called _____

Ans: electrolysis

19. In electroplating, the metal to be coated is taken as _____

Ans: cathode

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20. _____ plating is used on tableware.

Ans: Silver

21. Zinc coated iron is called _____ iron.

Ans: Galvanized

22. _____ coating prevent the corrosion of steel articles.

Ans: zinc

23. _____ is the accumulation of electrical charges on the surface of a non-conducting material.

Ans: static electricity

24. The proton is _____ charged.

Ans: positively

25. An atom is electrically _____

Ans: neutral

26. When the number of electrons is more than the number of protons, the object is said to be _____ charged.

Ans: negatively

27. _____ charges repel each other.

Ans: like

28. During charging, one object loses electrons while the other _____ them.

Ans: gains

29. The process of charging an object by simply touching it by a charged object is called _____

Ans: conduction

30. In the process of _____ no transfer of electrons takes place between the objects.

Ans: induction

31. An _____ is device used to detect and measure electric charges.

Ans: electroscope

32. We can find the nature of the charge by charging the _____ by induction.

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Ans: gold leaf electroscope

33. _____ occurs because of a massive electric charge flowing from cloud to cloud.

Ans: Lightning

34. The lower portion of a cloud carries _____ charges

Ans: negative

35. In order to protect tall buildings from lightning _____ are used.

Ans: lightning arresters

36. Heat changes the _____ of a substance.

Ans: temperature

37. Change of state occurs when substances are _____

Ans: heated

38. Heat _____ chemical action.

Ans: accelerates

39. Substances _____ on heating.

Ans: expand

40. For the same amount of heat given, gases expand the _____

Ans: most

III. Match the following

1.

- | | |
|--------------------------|-----------------------|
| 1. Lightning | a. transfer of heat |
| 2. Weak electric current | b. attract each other |
| 3. Conduction | c. lightning arrestor |
| 4. Opposite charges | d. LEDs can be used |

Ans: 1-c,2-d,3-a,4-b

2.

- | | |
|----------------------------|----------------------|
| 1. Large scale | a. series circuit |
| 2. small amount of current | b. hydro electricity |

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3. same amount of current c. glass
4. good conductor d. cells
5. insulator e. gold

Ans: 1-b,2-d,3-a,4-e,5-c

3.

- | | |
|-----------------------------|----------------------------------|
| 1. well water | a. Chromium plated |
| 2. copper sulphate solution | b. attract each other |
| 3. Wheel rims | c. good conductor of electricity |
| 4. electric spark | d. electrolyte |
| 5. unlike charges | e. lightning |

Ans: 1-c,2-d,3-a,4-e,5-b

4.

- | | |
|------------------------|----------------------|
| 1. Lightning arresters | a. solids |
| 2. temperature | b. fluids |
| 3. conduction | c. Benjamin Franklin |
| 4. liquids and gases | d. earth connection |
| 5. washing machine | e. thermometer |

Ans: 1-c,2-e,3-a,4-b,5-d