

JASWANT MODERN SR.SEC.SCHOOL CLASS-5 SCIENCE WINTER VACATION WORKSHEET (2023-24) Set-A

Q1. Answer the following questions:

1. What is pollination?
2. How does an insect help in pollination?
3. Explain vegetative reproduction.
4. How does lunar eclipse form?
5. What does solar eclipse form?
6. What causes day and night?
7. Write formation of igneous rocks.
8. Explain sedimentary rocks.
9. Explain metamorphic rocks.
10. Is migration important?
11. How do birds fly?
12. What is haemoglobin?
13. Explain types of lever.
14. Explain biomass.
15. Technology is boon as well as curse. Explain.
16. Write some good affects of technology.
17. Write some bad affects of technology.
18. What are things required to form shadow?
19. What type of surface does moon have?
20. If a body weighs 6kg on the earth, what will be his weight on the surface of moon?
21. What are the properties of shadow?
22. What happens to a body in motion in the absence of friction?
23. What are the disadvantages of friction?
24. Write some advantages of friction.
25. How can we measure volume and weight?
26. What is measurement?

Q2. Give reason:

1. Pumice can float on water.
2. Igneous rocks are also called fiery rocks.
3. We should not see solar eclipse from naked eyes.
4. We cannot hear someone speaking on moon.
5. Too much use of fertilizers is not good for crops.
6. We should sow good quality seeds in field.
7. Kharif crops are grown in monsoon season.
8. Petroleum is called liquid gold.
9. Depletion of ozone layer is a matter of concern.
10. We should drink purified water.
11. Iron grills in our windows and gates are painted.
12. We feel uncomfortable on a humid day.
13. Screw is better than nail.
14. We skid on banana peel.
15. Deficiency diseases are called non communicable diseases.
16. Proteins are called body building nutrients.
17. Human body is called machine.
18. Dolphin comes out on the surface of water.
19. Polar bear has blubber.
20. Animals like yak have hooves in its feet.
21. We should conserve energy.

Q3. Define:

1. Magma
2. Technology
3. Atmosphere
3. Tides
4. Ligaments
5. Tendons
6. Cerebrum
7. Air pressure
8. Sedimentation
9. Soil conservation
10. Leguminous plants
12. Ore
13. Distillation
13. Minerals
14. Communicable diseases
15. Vaccination
16. Health
17. Cartilage
18. Pollination
19. Infection
20. Measurement
21. Volume
22. Cross pollination
23. Runners
24. Creepers
25. Climbers

Q4. Fill in the blanks:

- a..... Is the largest of brain. b. Solar eclipse occurs on.....day. c..... helps in making new tools. d..... is the hardest mineral. e..... is also called volcanic glass. f..... joint is found between skull and backbone. g. Seeds having two seed leaves are called..... h. Most of the plants reproduce through i..... is the largest habitat on land. j..... is an area where animal naturally live. k. Camel has.....to store fats and water. l. There are.....bones in skull. m..... is the longest bone in human body. n. There are.....bones in backbone. o..... are called body building nutrients. p. Gneiss is formed from.....q. Life is possible only on r. We can sit at place on.....

Q5. Distinguish between:

- a. Vertebrates and invertebrates.
- b. Full moon day and new moon day
- c. Sandstone and granite
- d. Neap tide and spring tides
- e. Terrace farming and Embankment
- f. Spiracles and lungs
- g. Inclined plane and wedge
- h. Opaque object and transparent object
- i. Renewable and non renewable sources of energy
- j. Troposphere and stratosphere
- k. Sedimentation and decantation

Q6. Write true or false:

- a. Coal is a fossil fuel. ()
- b. Minerals take thousand years to be made. ()
- c. All rocks are made up of minerals. ()
- d. A volcano is a crack in Earth's surface. ()
- e. Crust is the innermost layer of the earth. ()
- f. Sun is not a star. ()
- g. $M.E = P.E + K.E$. ()
- h. Energy can be created and can be destroyed. ()

i. Frictional force is always attractive. () j. Air contains 20% of nitrogen. () k. Ozone layer is present in troposphere. () l. Obsidian is formed by slow cooling of lava. () m. Red Fort is formed from limestone. () n. Granite is the lightest rock. () o. Meat is a source of protein. () p. Scurvy is caused by lack of Vitamin A. () q. Roughage is a plant fiber. () r. There are 12 pairs of ribs present in our ribcage. () s. Most of the joints present in our body are movable. () t. Rhizobium is responsible for nitrogen fixation. () u. Nitrogen helps in combustion. () v. Air has no weight. () w. Moon is closest neighbour of earth. () x. Shadows do not form in darkness. () y. Light travels in a straight line. () z. Shadow is shortest at noon. ()

Q7. Give two examples of each

a. Ball and socket joint. b. Vegetative reproduction. c. Eclipses. d. Migrating birds e. Herbivores
 f. Carnivores g. Omnivores h. Tides i. Sources of fats j. Sources of protein k. Sources of carbohydrates
 l. Lever m. Screw n. Pulley o. Wedge p. Inclined plane q. Wheel and axle r. Energy s. Nutrients t. Artificial satellite
 u. Igneous rock v. Sedimentary rocks w. Metamorphic rocks x. Layers of soil y. Uses of soil
 z. Harmful gases

Q8. Name these:

a. Rocks used in kitchen. b. Volcanic glass. c. Rock used to make blackboard. d. Force applied on objects.
 e. Two or three machines combined and form. f. It remains constant in the whole universe.
 g. A complex machine. h. The rod that attaches the wheels is called. i. It is used to cut things, its shape is like 'V'.
 j. It does not reduce effort. k. It is easier to make a hole with it. l. Vehicles move with it.
 m. A slope that makes it easier to push up things. n. Pairs of ribs not attached to the breast bone.
 o. It consists of bones and cartilage. p. Its main function is to pass information between brain and body parts.
 q. Largest parts of brain. r. A cage of bones around the chest. s. Total number of bones in ribcage.
 t. It helps in production of goods and services. u. It is a method to protect soil from erosion.
 v. Number of bones present in human body. w. System that helps to remove waste. x. Champion of migration.

Q9. Draw and label:

a. Solar eclipse b. Lunar eclipse c. Germination d. Parts of flower e. Tides
 f. Internal structure of seed g. Internal structure of earth h. Layers of atmosphere

Q.10. Do these activities:

a. Collect five types of seeds and soak them overnight. Next day, remove the seed coat and look for cotyledons in them. Note your observation.

S.No	Name of the seed	Number of cotyledons

b. Observe breathing rate per minute after various activities.

Activities	Breathing rate immediately	After 5 minute

c. Make a list of at least 10 simple machines you use at home daily.

d. Write name of any 5 technological tools and its advantage and disadvantage in the box given below.

Name of tool	Advantage	Disadvantage

Q.11 Project work:

a. Make a chart by pasting pictures of man's landing on the moon. (Roll no. 1 to 8)
 b. Cut pictures of animals which migrates and paste in your scrap book. (Roll no. 9 to 16)
 c. With the help of your parents prepare a list of vaccinations given to you upto 5 years of age. (17 to 21)
 (Make a separate notebook for answers of this worksheet)

JASWANT MODERN SR.SEC.SCHOOL CLASS-5 SCIENCE WINTER VACATION WORKSHEET (2023-24) Set-B

Q1. Answer the following questions:

1.How do fishes swim? 2.What is meant by reflex actions? 3.How does fanning help the fire? 4.What is ozone depletion? Is it good or bad for us? 5.How does technology improved our life? 6.How we separate salt from salt solution? 7.Name the main parts of the brain and write their functions. 8.What is habitat? 9.Animals breathe to take in oxygen .What does oxygen do inside their body? 10.How do wings of insects differ from the wings of birds? 11.What are deficiency diseases? 12.How are craters formed on the surface of moon? 13.How does a syringe work? 14.What do you understand by global warming? 15.How are green house gases important? 16.What are steps that lead to produce new technological tools? 17.How can you verify that we breathe out carbon dioxide? 18.What is joint? 19.Name any five joints and the places where they are found. 20.How does pumice float on water? 21.What are the different ways by which communicable diseases spread? 22.How are tides caused? 23.what is liquid gold? 24.What are the environmental problems in your city? 25.How can you save environment? 26.Write different ways to save environment. 27.Write different ways to conserve soil. 28.Waht is population explosion? 29.Explain Bhopal gas tragedy. 30.What is oil spill?

Q2. Give reason:

1.Coal is called fossil fuel. 2.A ball made of iron sinks in water. 3.We cannot sit at a place on moon. 4.We should take vaccines on time. 5.Ostrich can't fly. 6.Exercise is useful for our body. 7.When an empty glass is inverted in water ,water doesn't fill in glass. 8.Sick room should be sprayed with disinfectants. 9.We should avoid contact with the people suffering from communicable diseases. 10.Liquid rise in dropper ,when we release the bulb of dropper. 11.Overgrazing of animals is responsible for soil erosion. 12.Embankment can prevent soil from erosion. 13.Covid 19 was an epidemic. 14.Weshould not use polythene bags. 15.We should chew our food properly. 16.We should play outdoor games. 17.Screw is better than nails. 18.Inclined plane in our houses also. 19.Chemical weapons are most dangerous. 20.Population pose threat to mankind. 21.We should throw eggshells, peels and pencils sharpens in our garden. 22.We should grow aloe vera, tulsi ,mint, neem in our gardens.

Q3. Fill in the blanks:

1.A plant bears seed which grows into..... 2.Mammals breathe through.....3.The cerebellum is the.....department. 4.Any kind of rock or material that is mined is called..... 5.Air is used tothings. 6.Mass per unit volume of a substance is called..... 7.Wash your hands with soap immediately after going to the..... 8.Blood..... in cold water. 9.The saucer shaped depressions on the surface of the moon are called..... 10..... is first man made satellite. 11.The use of.....make work easier. 12.....are made up of two or more simple machines. 13.Food keeps us healthy by providing. 14.If we do not take right kind of food in adequate quantity ,it may lead to..... 15.The moon is at the distance of..... from the earth. 16.The highest mountain in the space is on..... 17.The tides are caused by theof the moon. 18.....help us to see objects. 19..... is a rod that connects a pair of wheels. 20.Muscles of heart are called.....muscles. 21.....is a hot molten liquid which comes out in volcanic eruption. 22.Meteors burn on.....23..... is the first layer of atmosphere. 24.....Protect us from harmful rays of the sun. 25.....is a natural satellite of earth 26..... fixes nitrogen . 27.....helps in burning. 28. Water = g/cm³29. One kilogram =gram weight. 30.Onelitre =.....mL

Q4. Define:

1.Green revolution 2.White revolution 3.Equator 4.Axis 5.Leguminous plants 6.Volume 7.Weight 8.Density 9.Deforestation 10.Volcanic eruption 11.Natural disaster 12.Petroleum 13.Malaria 14.Environmental problems 15.Embankment 16.Epidemic 17.Dispersal 18.Exhale 19.Germination 20.Minerals 21.Pesticides 22.Toxic 23.Sense organs 24.Femur 25.Goitre 26.Vertebrae 27.Vaccination 28.Bone marrow 29.Contaminated 30.Density 31.Eclipse 32.Migration

33.Hydrometer 34.Irrigation 35.Harvesting 36.Pollination 37.Weeds 38.Pests 39.Seedling
40.Skeleton 41.Craters 42.Universe 43.Anaemia 44.Buoyancy 45.Lever 46.Pulley 47.Rhizobium

Q5.Give two examples of each:

1.Leguminous plants 2.Buoyant force 3.Themometer 4.Place in human body where cartilage is found.
5.Disease causing microbes 6.Uses of microbes 7.Energy 8.Fuels 9.Pollution 10.Types of bone in hum
an body 11.Solution 12.Uses of rocks 13.Natural resources 14.Devices used to measure weight
15.Devices used to measure length 16.Devices used to measure volume. 17.Harmful gases. 18.Sources
of carbohydrates 19.Natural disaster 20.Renewable sources of energy 21.Nonrenewable sources of
energy 22. PLants grow with vegetative reproduction 23.Plants grow with stem 24.Non communicable
diseases. 25.Ways to save soil from erosion 26.Technological tools used to send messages. 27.Solid
28.Liquid 29.Pollination 30.Eclipses 31.Tides 32.Microbes 33.Laeysr of atmosphere.

Q6.Write true or false:

1.The nervous system transfers the messages from one organ to the other. () 2.Cerebrum is the smalles
part of the brain.() 3.Ribcage encloses the brain.() 4.Bone that protects the brain is called cranium.()
5.Potatoes are good expels of balanced diet.() 6.Minerals do not provide any energy to our body so they
should not be eaten.() 7.Papaya is a rich source of vitamin C.() 8.Each foodstuff is rich in nutrients of
different kinds.() 9.In earlier time man and animals were similar in intelligence.() 10.Man assume the
role of master. () 11.Most epidemics have now been controlled on earth.() 12.Growing population
poses no threat to mankind.() 13.Today man live in harmony with animals and plants.() 14.The
progress in science becomes nuisance at times.() 15.Chemical weapons and atomic bombs are not good
for environment.() 16.Fertilizers are better than manures.() 17.Population explosion is a major cause
of pollution.(). 18.India is the most populated country in the world.() 19.Human brain weighs 1.4 kg
and contain millions of cells.() 20.Water maintains the body temperature.(). 21.We should drink 8 to
10 glasses of water in a day.() 22.Roughage is important for our body.()

Q7.Name these:

1.A threat to mankind. 2.A green house gas 3.It changes shape and size of an object. 4.Longest bone in
human body. 5.Farmer's best friend. 6.Ultimate source of energy. 7.Force that opposes motion 8.Metal
that is found in liquid form at room temperature. 9.Mass/volume 10.space occupied by an object.
11.Upward force of liquid. 12.First man landed on moon. 13.Dark patch formed by object and light.
14.Objects from which light passes. 15.Objects from which light do not passes. 16.Objects from which
light passes but partially. 17.Shapes of moon. 18.A fossil fuel 19.Use of petroleum 20.Use of coal
21.Rock used to used Red Fort. 22. Rock used to build TajMahal. 23.Action which we can control.
24.Action which we cannot control. 25.Bones in ribcage. 26.Movable jaw. 27.Akharif crop 28.A rabi crop

Q8.Write full form of:

a.CFC b.SO₂ c.CO₂ d.H₂O e.ODs f.LPG g.CNG h.ISRO i. N₂ j. H₂ k.O₂ l.NaCl

Q9.Match the column:

1. Human body	a. Virus	11.Scurvy	k.Vitamin D
2. Smallest living organism	b.206 bones	12.Rickets	l.Geothermal
3. Baby plant	c.solvent	13.CFC	m.Greenhouse
4. Water	d.Seedling	14.Energy	n.Vitamin C
5. Eye	e.Porcupine	15.Growth	o.Ore
6. Spines	f.Potato	16.Metai yielding	p.Protein
7. Reflex action	g.Pollens	17.Earth	r.Food
8. Insects	h.Hot pan	18.Reproduction	s.Carrot
9. Man	i.Fruit	19.Root	t.Bryophyllum
10.Mango	j.Pollution	20.Leaves	u.Vegetative