

50 Science MCQs for Class 6 Biology

(Living Things, Plants, Animals, Human Body)

1. Which part of the plant makes food?
 - a) Root
 - b) Stem
 - c) Leaf *
 - d) Flower
2. The process by which plants prepare their food is called:
 - a) Respiration
 - b) Photosynthesis *
 - c) Digestion
 - d) Transpiration
3. Which gas do plants release during photosynthesis?
 - a) Carbon dioxide
 - b) Oxygen *
 - c) Nitrogen
 - d) Hydrogen
4. Animals that eat only plants are called:
 - a) Carnivores
 - b) Herbivores *

c) Omnivores

d) Decomposers

5. The basic unit of life is:

a) Atom

b) Cell *

c) Tissue

d) Organ

6. Which organ in the human body pumps blood?

a) Brain

b) Lungs

c) Heart *

d) Kidney

7. Which of these is NOT a sense organ?

a) Nose

b) Skin

c) Kidney *

d) Tongue

8. Which vitamin is made in our skin with sunlight?

a) Vitamin A

b) Vitamin C

c) Vitamin D *

d) Vitamin B

9. The breathing organ of fish is:

- a) Lungs
- b) Gills *
- c) Skin
- d) Spiracles

10. The largest organ of the human body is:

- a) Heart
 - b) Skin *
 - c) Liver
 - d) Brain
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Physics (Motion, Light, Sound, Force, Energy)

11. Which form of energy does a glowing bulb give?

- a) Light and heat *
- b) Sound and heat
- c) Light and sound
- d) Heat only

12. Sound cannot travel through:

- a) Solid
- b) Liquid
- c) Gas
- d) Vacuum *

13. The force that pulls objects towards the Earth is:

- a) Magnetic force
- b) Gravitational force *
- c) Friction
- d) Muscular force

14. Which of these is a non-luminous object?

- a) Sun
- b) Moon *
- c) Candle flame
- d) Star

15. Which device is used to measure temperature?

- a) Speedometer
- b) Thermometer *
- c) Barometer
- d) Hygrometer

16. Which simple machine is a scissor?

- a) Lever *
- b) Pulley
- c) Wheel and axle
- d) Inclined plane

17. The unit of force is:

- a) Joule
- b) Newton *

c) Watt

d) Meter

18. Which of the following is NOT a source of light?

a) Sun

b) Star

c) Moon *

d) Torch

19. What type of energy is stored in food?

a) Heat energy

b) Chemical energy *

c) Sound energy

d) Light energy

20. The Earth rotates on its:

a) Axis *

b) Orbit

c) Path

d) Circle

Chemistry (Matter, Materials, Substances)

21. Which of the following is a solid?

a) Water

b) Ice *

c) Air

d) Steam

22. The purest form of water is:

a) Sea water

b) River water

c) Rain water *

d) Tap water

23. Which of these is soluble in water?

a) Sand

b) Sugar *

c) Oil

d) Stone

24. The process of changing water into vapor is called:

a) Condensation

b) Evaporation *

c) Freezing

d) Melting

25. Which gas is needed for burning?

a) Nitrogen

b) Oxygen *

c) Carbon dioxide

d) Hydrogen

26. The hardest natural substance is:

- a) Gold
- b) Diamond *
- c) Iron
- d) Coal

27. Which metal is liquid at room temperature?

- a) Iron
- b) Mercury *
- c) Gold
- d) Silver

28. Which of the following is NOT a mixture?

- a) Air
- b) Lemonade
- c) Pure water *
- d) Soil

29. The process of separating salt from sea water is:

- a) Evaporation *
- b) Filtration
- c) Sedimentation
- d) Decantation

30. Rusting of iron needs:

- a) Oxygen and water *
- b) Nitrogen and water

- c) Oxygen and heat
 - d) Sunlight and water
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Earth & Space Science

31. Which planet is called the “Red Planet”?
- a) Earth
 - b) Mars *
 - c) Venus
 - d) Jupiter

32. Which planet is closest to the Sun?
- a) Venus
 - b) Earth
 - c) Mercury *
 - d) Mars

33. The natural satellite of Earth is:
- a) Sun
 - b) Moon *
 - c) Mars
 - d) Venus

34. Which is the largest planet in the Solar System?
- a) Earth
 - b) Saturn

c) Jupiter *

d) Neptune

35. The outermost layer of the Earth is:

a) Core

b) Mantle

c) Crust *

d) Lithosphere

36. Which star is nearest to the Earth?

a) Pole star

b) Sun *

c) Alpha Centauri

d) Sirius

37. The movement of Earth around the Sun is called:

a) Rotation

b) Revolution *

c) Spinning

d) Orbiting

38. The shape of Earth is:

a) Flat

b) Perfect sphere

c) Spherical but slightly flattened at poles *

d) Cube

39. The layer of air surrounding Earth is called:

- a) Atmosphere *
- b) Lithosphere
- c) Hydrosphere
- d) Biosphere

40. Which of the following is NOT a planet?

- a) Saturn
 - b) Pluto *
 - c) Neptune
 - d) Earth
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General Science & Environment

41. Which of these is a renewable source of energy?

- a) Coal
- b) Petroleum
- c) Solar energy *
- d) Natural gas

42. Which disease is caused by mosquitoes?

- a) Malaria *
- b) Typhoid
- c) Tuberculosis
- d) Cholera

43. Which of these is a biodegradable material?

- a) Plastic bag
- b) Glass bottle
- c) Vegetable peel *
- d) Aluminum can

44. Water boils at:

- a) 0°C
- b) 50°C
- c) 100°C *
- d) 120°C

45. Which of these is NOT a source of air pollution?

- a) Trees *
- b) Vehicles
- c) Factories
- d) Burning of fuels

46. Which is the main source of energy for Earth?

- a) Moon
- b) Sun *
- c) Stars
- d) Fire

47. Which of the following is a man-made fiber?

- a) Cotton
- b) Jute

c) Nylon *

d) Wool

48. Which of the following is a natural fiber?

a) Polyester

b) Nylon

c) Silk *

d) Rayon

49. Which of the following is the main gas in the air we breathe?

a) Oxygen

b) Carbon dioxide

c) Nitrogen *

d) Hydrogen

50. Which disease is caused by deficiency of Vitamin C?

a) Night blindness

b) Scurvy *

c) Rickets

d) Goitre

50 Science MCQs for Class 7

Biology (Plants, Animals, Human Body, Health)

1. Which blood cells fight against diseases?

a) Red blood cells

- b) White blood cells *
 - c) Platelets
 - d) Plasma
2. Which is the longest bone in the human body?
- a) Tibia
 - b) Femur *
 - c) Humerus
 - d) Radius
3. Which part of the plant carries food from leaves to other parts?
- a) Xylem
 - b) Phloem *
 - c) Root hairs
 - d) Stomata
4. Which of the following organisms reproduce by budding?
- a) Amoeba
 - b) Hydra *
 - c) Paramecium
 - d) Earthworm
5. Which organ helps in filtering blood in humans?
- a) Lungs
 - b) Heart
 - c) Kidneys *
 - d) Stomach

6. Which vitamin helps in blood clotting?

- a) Vitamin A
- b) Vitamin K *
- c) Vitamin C
- d) Vitamin D

7. Insects breathe through:

- a) Lungs
- b) Gills
- c) Spiracles *
- d) Skin

8. Which is the smallest unit of heredity?

- a) Chromosome
- b) Gene *
- c) DNA
- d) Nucleus

9. The green pigment in plants is called:

- a) Chloroplast
- b) Chlorophyll *
- c) Carotene
- d) Starch

10. Which disease is caused by lack of insulin?

- a) Anaemia
- b) Diabetes *

- c) Goitre
 - d) Rickets
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Physics (Light, Sound, Motion, Force, Energy)

11. The speed of light is approximately:

- a) 300 km/s
- b) 300,000 km/s *
- c) 30,000 km/s
- d) 3,000 km/s

12. Sound travels fastest in:

- a) Air
- b) Water
- c) Iron *
- d) Vacuum

13. The unit of electric current is:

- a) Volt
- b) Ohm
- c) Ampere *
- d) Watt

14. A device that converts electrical energy into sound is:

- a) Microphone
- b) Speaker *

c) Battery

d) Bulb

15. Which mirror is used in vehicle headlights?

a) Plane mirror

b) Convex mirror

c) Concave mirror *

d) Spherical mirror

16. Which lens is used to correct short-sightedness (myopia)?

a) Convex lens

b) Concave lens *

c) Cylindrical lens

d) Plano lens

17. Work is equal to:

a) Force \times Distance *

b) Mass \times Velocity

c) Power \times Time

d) Energy \times Speed

18. The SI unit of power is:

a) Newton

b) Joule

c) Watt *

d) Ampere

19. Which type of energy is possessed by a moving body?

- a) Kinetic energy *
- b) Potential energy
- c) Heat energy
- d) Nuclear energy

20. The bouncing back of light from a surface is called:

- a) Refraction
 - b) Reflection *
 - c) Dispersion
 - d) Diffusion
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Chemistry (Matter, Substances, Atoms, Reactions)

21. The smallest particle of an element is:

- a) Atom *
- b) Molecule
- c) Proton
- d) Neutron

22. The chemical symbol of Sodium is:

- a) So
- b) Na *
- c) S
- d) Sd

23. The gas used in balloons is:

- a) Oxygen
- b) Helium *
- c) Nitrogen
- d) Carbon dioxide

24. The process of conversion of solid directly into gas is:

- a) Condensation
- b) Evaporation
- c) Sublimation *
- d) Melting

25. Stainless steel is an alloy of iron, carbon and:

- a) Aluminium
- b) Nickel & Chromium *
- c) Copper
- d) Zinc

26. Which of the following is a noble gas?

- a) Oxygen
- b) Nitrogen
- c) Helium *
- d) Hydrogen

27. The chemical formula of water is:

- a) CO₂
- b) H₂O *

c) O₂

d) H₂

28. The gas produced during photosynthesis is:

a) CO₂

b) Oxygen *

c) Nitrogen

d) Hydrogen

29. Which of these is an acid?

a) Sodium hydroxide

b) Hydrochloric acid *

c) Calcium carbonate

d) Magnesium oxide

30. The pH of a neutral solution is:

a) 0

b) 7 *

c) 10

d) 14

Earth & Space Science

31. The hottest planet in the Solar System is:

a) Mercury

b) Venus *

c) Jupiter

d) Saturn

32. The planet known as the “Earth’s twin” is:

a) Mars

b) Venus *

c) Mercury

d) Jupiter

33. Which gas is most abundant in Earth’s atmosphere?

a) Oxygen

b) Carbon dioxide

c) Nitrogen *

d) Hydrogen

34. The layer of atmosphere where weather changes occur is:

a) Stratosphere

b) Troposphere *

c) Mesosphere

d) Thermosphere

35. Which planet has rings around it?

a) Jupiter

b) Saturn *

c) Venus

d) Mars

36. The Earth completes one rotation in:

a) 24 hours *

b) 365 days

c) 30 days

d) 12 hours

37. The ozone layer protects us from:

a) Infrared rays

b) Gamma rays

c) Ultraviolet rays *

d) X-rays

38. The instrument used to measure earthquakes is:

a) Barometer

b) Thermometer

c) Seismograph *

d) Hygrometer

39. Which of the following is a dwarf planet?

a) Mars

b) Pluto *

c) Venus

d) Neptune

40. Which motion of Earth causes day and night?

a) Revolution

b) Rotation *

- c) Orbit
 - d) Axis tilt
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General Science & Environment

41. Which is the largest source of energy on Earth?

- a) Coal
- b) Wind
- c) Sun *
- d) Water

42. Which gas is responsible for global warming?

- a) Nitrogen
- b) Oxygen
- c) Carbon dioxide *
- d) Hydrogen

43. Which part of the cell controls activities?

- a) Cytoplasm
- b) Nucleus *
- c) Mitochondria
- d) Cell wall

44. Which of the following is a communicable disease?

- a) Diabetes
- b) Malaria *

c) Cancer

d) Scurvy

45. Which of these is a non-biodegradable material?

a) Wood

b) Plastic *

c) Paper

d) Cloth

46. Which nutrient builds muscles in our body?

a) Carbohydrates

b) Fats

c) Proteins *

d) Vitamins

47. Which organ is called the “Powerhouse of the Cell”?

a) Nucleus

b) Chloroplast

c) Ribosome

d) Mitochondria *

48. Which of the following is NOT an insulator?

a) Rubber

b) Plastic

c) Copper *

d) Wood

49. The process of water seeping into the ground is called:

- a) Evaporation
- b) Infiltration *
- c) Condensation
- d) Precipitation

50. Which of the following is the fastest means of communication?

- a) Letter
- b) Telephone
- c) Internet *
- d) Newspaper

50 Science MCQs for Class 8

Biology (Human Body, Plants, Microorganisms, Health)

1. Which part of the human brain controls balance and posture?

- a) Cerebrum
- b) Cerebellum *
- c) Medulla
- d) Hypothalamus

2. The process of releasing energy from food in cells is called:

- a) Photosynthesis
- b) Respiration *

c) Fermentation

d) Transpiration

3. Malaria is caused by:

a) Virus

b) Bacteria

c) Protozoa *

d) Fungus

4. Which hormone regulates blood sugar level?

a) Insulin *

b) Thyroxine

c) Adrenaline

d) Estrogen

5. Which organ purifies blood in the human body?

a) Heart

b) Kidney *

c) Lungs

d) Liver

6. Amoeba moves with the help of:

a) Cilia

b) Flagella

c) Pseudopodia *

d) Tentacles

7. Which blood group is known as the universal donor?

- a) A
- b) B
- c) AB
- d) O *

8. Which vitamin is known as the “sunshine vitamin”?

- a) Vitamin A
- b) Vitamin B
- c) Vitamin C
- d) Vitamin D *

9. The structural and functional unit of kidney is:

- a) Nephron *
- b) Alveoli
- c) Axon
- d) Villus

10. The process by which plants lose water through stomata is:

- a) Photosynthesis
 - b) Transpiration *
 - c) Respiration
 - d) Guttation
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Physics (Force, Work, Motion, Energy, Light, Electricity)

11. The unit of work is:

- a) Watt
- b) Joule *
- c) Newton
- d) Pascal

12. The rate of doing work is called:

- a) Force
- b) Energy
- c) Power *
- d) Pressure

13. Which mirror is used as a rear-view mirror in vehicles?

- a) Plane mirror
- b) Concave mirror
- c) Convex mirror *
- d) Spherical mirror

14. Which lens is used in a magnifying glass?

- a) Convex lens *
- b) Concave lens
- c) Cylindrical lens
- d) Plano lens

15. The unit of electrical resistance is:

- a) Volt

b) Ampere

c) Ohm *

d) Watt

16. Which law states: "Every action has an equal and opposite reaction"?

a) Newton's First Law

b) Newton's Second Law

c) Newton's Third Law *

d) Law of Gravitation

17. The force which opposes motion between two surfaces is:

a) Gravity

b) Friction *

c) Magnetic force

d) Tension

18. Energy stored in a stretched rubber band is:

a) Kinetic energy

b) Potential energy *

c) Heat energy

d) Light energy

19. The speed of sound in air is about:

a) 330 m/s *

b) 3,000 m/s

c) 30 m/s

d) 300 m/s

20. A device that converts chemical energy into electrical energy is:

- a) Generator
 - b) Battery *
 - c) Motor
 - d) Transformer
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Chemistry (Matter, Atoms, Compounds, Reactions)

21. The chemical formula of methane is:

- a) CH₄ *
- b) CO₂
- c) H₂O
- d) C₂H₆

22. Which of the following is NOT a physical change?

- a) Melting of ice
- b) Burning of paper *
- c) Dissolving sugar in water
- d) Breaking glass

23. Which element is used in making pencil lead?

- a) Carbon (Graphite) *
- b) Lead
- c) Zinc
- d) Iron

24. Rusting of iron is an example of:

- a) Physical change
- b) Chemical change *
- c) Evaporation
- d) Sublimation

25. Which metal is the best conductor of electricity?

- a) Iron
- b) Aluminium
- c) Silver *
- d) Copper

26. The gas produced when acids react with metals is:

- a) Oxygen
- b) Hydrogen *
- c) Nitrogen
- d) Carbon dioxide

27. The atomic number of oxygen is:

- a) 6
- b) 7
- c) 8 *
- d) 9

28. Which of these is a noble gas?

- a) Helium *
- b) Nitrogen

c) Hydrogen

d) Oxygen

29. Which acid is present in vinegar?

a) Citric acid

b) Acetic acid *

c) Hydrochloric acid

d) Sulphuric acid

30. Which of the following is an alkali?

a) NaOH *

b) HCl

c) CO₂

d) H₂SO₄

Earth & Space Science

31. The instrument used to measure atmospheric pressure is:

a) Thermometer

b) Barometer *

c) Hygrometer

d) Seismograph

32. Which is the largest planet of the Solar System?

a) Earth

b) Jupiter *

c) Saturn

d) Neptune

33. The innermost layer of the Earth is called:

a) Mantle

b) Crust

c) Core *

d) Lithosphere

34. Which gas is responsible for the greenhouse effect?

a) Oxygen

b) Nitrogen

c) Carbon dioxide *

d) Helium

35. The imaginary line dividing Earth into Northern and Southern Hemisphere is:

a) Axis

b) Equator *

c) Longitude

d) Prime Meridian

36. Which is the coldest planet in the Solar System?

a) Neptune *

b) Pluto

c) Uranus

d) Saturn

37. Which planet has the largest number of moons?

- a) Earth
- b) Jupiter
- c) Saturn *
- d) Mars

38. Which type of rock is formed by cooling of molten lava?

- a) Sedimentary
- b) Igneous *
- c) Metamorphic
- d) Fossil

39. The layer of atmosphere used for radio communication is:

- a) Troposphere
- b) Stratosphere
- c) Ionosphere *
- d) Mesosphere

40. Tides in the ocean are mainly caused by:

- a) Sun's heat
 - b) Earth's rotation
 - c) Moon's gravity *
 - d) Ocean currents
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General Science & Environment

41. Which energy source is non-renewable?

- a) Solar energy
- b) Wind energy
- c) Coal *
- d) Water energy

42. Which part of the eye controls the amount of light entering it?

- a) Cornea
- b) Retina
- c) Iris *
- d) Lens

43. The process of conversion of solid directly into vapour is called:

- a) Melting
- b) Condensation
- c) Sublimation *
- d) Freezing

44. Which device is used to split white light into seven colours?

- a) Lens
- b) Prism *
- c) Mirror
- d) Microscope

45. Which is the main cause of acid rain?

- a) CO₂ and O₂

b) SO₂ and NO₂ *

c) CH₄ and NH₃

d) CO and H₂

46. The chemical used to kill germs in water is:

a) Chlorine *

b) Iodine

c) Sodium

d) Potassium

47. The main component of natural gas is:

a) Methane *

b) Propane

c) Butane

d) Ethane

48. The fastest means of transport is:

a) Train

b) Aeroplane *

c) Ship

d) Car

49. Which of these is a biodegradable waste?

a) Plastic

b) Glass

c) Paper *

d) Metal can

50. Which of these is a renewable source of energy?

- a) Petroleum
- b) Coal
- c) Solar energy *
- d) Natural gas