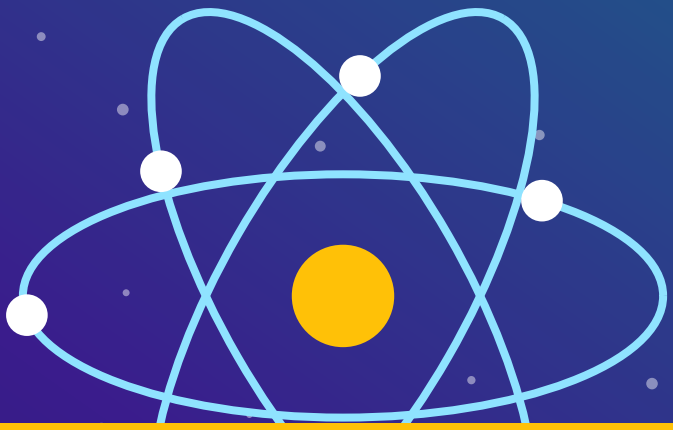
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50 SOLVED MCQs

✔ Ticked ✔ Answered ✔ Explained

Physics | Chemistry | Biology | Earth & Space | Human Body | Daily Life

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Interactive Index

Tap any number to jump straight to that question.

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- Physics
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Question 1 of 50

Biology

Which gas do plants absorb from the air for photosynthesis?

A Oxygen

B **Carbon dioxide** ✔

C Nitrogen

D Hydrogen

✔ **Correct Answer: B) Carbon dioxide**

★ **Explanation:** Plants take in CO_2 through tiny pores called stomata and use sunlight to turn it into food (glucose) and oxygen.

Answer Key | Index | Next

Question 2 of 50

Human Body

Which gas do humans need to breathe in to stay alive?

A Carbon dioxide

B Helium

C Methane

D **Oxygen** ✔

✔ **Correct Answer: D) Oxygen**

★ **Explanation:** Our cells use oxygen to release energy from food. This process is called respiration.

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Question 3 of 50

Chemistry

What is the chemical formula of water?

A CO_2

B **H_2O** ✔

C NaCl

D O_2

✔ **Correct Answer: B) H_2O**

★ **Explanation:** Every water molecule has two hydrogen atoms joined to one oxygen atom.

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Question 4 of 50

Chemistry

At normal sea-level pressure, at what temperature does water boil?

A **100°C** ✔

B 50°C

C 90°C

D 150°C

✔ **Correct Answer: A) 100°C**

★ **Explanation:** Water turns into steam at 100°C (212°F) at sea level. On high mountains it boils at a lower temperature.

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Question 5 of 50

Earth & Space

Which planet is known as the Red Planet?

A Venus

B Jupiter

C **Mars** ✔

D Mercury

✔ **Correct Answer: C) Mars**

★ **Explanation:** Iron oxide (rust) in the soil of Mars gives the planet its reddish colour.

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Question 6 of 50

Human Body

Which vitamin does our skin make with the help of sunlight?

A Vitamin C

B **Vitamin D** ✔

C Vitamin A

D Vitamin B12

✔ **Correct Answer: B) Vitamin D**

★ **Explanation:** Sunlight helps the skin produce vitamin D, which keeps our bones and teeth strong.

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Question 7 of 50

Human Body

What is the largest organ of the human body?

A **Skin** ✔

B Liver

C Heart

D Brain

✔ **Correct Answer: A) Skin**

★ **Explanation:** The skin covers the whole body and protects us from germs, heat and injury.

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Question 8 of 50

Human Body

Which organ pumps blood around the human body?

A Lungs

B Kidneys

C **Heart** ✔

D Stomach

✔ **Correct Answer: C) Heart**

★ **Explanation:** The heart is a strong muscle that beats about 70 times every minute at rest.

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Question 9 of 50

Physics

What is the approximate speed of light in a vacuum?

A 3,000 km per second

B 30,000 km per second

C **300,000 km per second** ✔

D 300 km per second

✔ **Correct Answer: C) 300,000 km per second**

★ **Explanation:** Light is the fastest thing in the universe. It travels about 300,000 km every second.

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Question 10 of 50

Physics

Which force pulls objects towards the Earth?

A **Gravity** ✔

B Friction

C Magnetism

D Buoyancy

✔ **Correct Answer: A) Gravity**

★ **Explanation:** Gravity is why a dropped ball falls down and why we stay on the ground.

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Question 11 of 50

Chemistry

Which is the hardest natural substance?

A Gold

B Iron

C Graphite

D **Diamond** ✔

✔ **Correct Answer: D) Diamond**

★ **Explanation:** In a diamond each carbon atom is strongly bonded to four others, forming a very hard 3D network.

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Question 12 of 50

Biology

Which part of a plant makes food for the plant?

A Roots

B Seeds

C Stem

D **Leaves** ✔

✔ **Correct Answer: D) Leaves**

★ **Explanation:** Leaves contain chlorophyll, the green pigment that captures sunlight for photosynthesis.

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Question 13 of 50

Human Body

What is the normal temperature of the human body?

A 25°C

B **37°C** ✔

C 45°C

D 52°C

✔ **Correct Answer: B) 37°C**

★ **Explanation:** Normal body temperature is about 37°C (98.6°F). A reading above 38°C usually means fever.

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Question 14 of 50

Chemistry

What is the pH value of pure water?

A 1

B 10

C 7 ✔

D 14

✔ **Correct Answer: C) 7**

★ **Explanation:** pH 7 is neutral, neither acidic nor basic. Lemon juice is below 7 and soap is above 7.

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Question 15 of 50

Human Body

Which blood cells help the body fight infections?

A Red blood cells

B **White blood cells** ✔

C Platelets

D Nerve cells

✔ **Correct Answer: B) White blood cells**

★ **Explanation:** White blood cells are the body's defence army. They attack germs that enter the body.

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Question 16 of 50

Chemistry

Which metal is liquid at room temperature?

A Iron

B Copper

C **Mercury** ✔

D Aluminium

✔ **Correct Answer: C) Mercury**

★ **Explanation:** Mercury melts at about -39°C, so it stays liquid. It was used in old thermometers.

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Question 17 of 50

Physics

Sound cannot travel through which of the following?

A **A vacuum** ✔

B Water

C Steel

D Air

✔ **Correct Answer: A) A vacuum**

★ **Explanation:** Sound needs particles to vibrate. Outer space is almost empty, so sound cannot travel there.

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Question 18 of 50

Physics

Which mirror is used as the rear-view mirror of a car?

A Concave mirror

B Plane mirror

C **Convex mirror** ✔

D Prism

✔ **Correct Answer: C) Convex mirror**

★ **Explanation:** A convex mirror curves outward and shows a wider area, so drivers can see more traffic behind.

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Question 19 of 50

Earth & Space

Which gas is the most abundant in Earth's atmosphere?

A Oxygen

B Carbon dioxide

C Argon

D **Nitrogen** ✔

✔ **Correct Answer: D) Nitrogen**

★ **Explanation:** Air is about 78% nitrogen and 21% oxygen.

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Question 20 of 50

Daily Life

Iron gets rusty when it is exposed to which two things?

A **Oxygen and water** ✔

B Dry nitrogen only

C Pure helium only

D Vacuum and cold

✔ **Correct Answer: A) Oxygen and water**

★ **Explanation:** Rust forms when iron reacts with oxygen and moisture. Paint or oil keeps both away.

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Question 21 of 50

Human Body

How many bones are there in an adult human body?

A **206** ✔

B 106

C 306

D 412

✔ **Correct Answer: A) 206**

★ **Explanation:** Babies are born with about 300 soft bones. Many of them join together as we grow, leaving 206.

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Question 22 of 50

Human Body

A deficiency of which vitamin causes scurvy?

A **Vitamin C** ✔

B Vitamin D

C Vitamin A

D Vitamin K

✔ **Correct Answer: A) Vitamin C**

★ **Explanation:** Lack of vitamin C weakens gums and skin. Oranges, lemons and guavas are rich in it.

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Question 23 of 50

Physics

What is the SI unit of electric current?

A Volt

B Ohm

C **Ampere** ✔

D Watt

✔ **Correct Answer: C) Ampere**

★ **Explanation:** Current is the flow of electric charge and is measured in amperes. Volt is for voltage; ohm is for resistance.

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Question 24 of 50

Earth & Space

What mainly causes the tides in the oceans?

A Strong winds

B **Gravity of the Moon** ✔

C Underwater volcanoes

D Heavy rainfall

✔ **Correct Answer: B) Gravity of the Moon**

★ **Explanation:** The Moon's pull makes sea water bulge, creating high and low tides about twice a day.

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Question 25 of 50

Daily Life

Which material is a good conductor of electricity?

A Rubber

B Plastic

C **Copper** ✔

D Dry wood

✔ **Correct Answer: C) Copper**

★ **Explanation:** Copper has many free electrons that carry current easily, so electric wires are made of it.

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Question 26 of 50

Human Body

Which part of the eye controls how much light enters it?

A Cornea

B **Iris** ✔

C Retina

D Optic nerve

✔ **Correct Answer: B) Iris**

★ **Explanation:** The iris changes the size of the pupil. It is smaller in bright light and bigger in dim light.

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Question 27 of 50

Chemistry

Which gas is commonly used in fire extinguishers?

A Hydrogen

B **Carbon dioxide** ✔

C Oxygen

D Methane

✔ **Correct Answer: B) Carbon dioxide**

★ **Explanation:** CO_2 is heavier than air and does not burn, so it smothers the fire by cutting off oxygen.

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Question 28 of 50

Daily Life

Milk is changed into curd by the action of which living things?

A Viruses

B Sunlight

C Salt crystals

D **Bacteria** ✔

✔ **Correct Answer: D) Bacteria**

★ **Explanation:** Friendly Lactobacillus bacteria turn milk sugar into lactic acid, which thickens the milk into curd.

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Question 29 of 50

Earth & Space

Which planet is closest to the Sun?

A Venus

B Earth

C Mars

D **Mercury** ✔

✔ **Correct Answer: D) Mercury**

★ **Explanation:** Mercury orbits the Sun at an average of about 58 million km, closer than any other planet.

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Question 30 of 50

Earth & Space

Which instrument is used to measure atmospheric pressure?

A Thermometer

B **Barometer** ✔

C Hygrometer

D Speedometer

✔ **Correct Answer: B) Barometer**

★ **Explanation:** A barometer measures air pressure. Falling pressure often warns that rain is coming.

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Question 31 of 50

Daily Life

What is the chemical name of common table salt?

A Sodium carbonate

B **Sodium chloride** ✔

C Calcium chloride

D Potassium nitrate

✔ **Correct Answer: B) Sodium chloride**

★ **Explanation:** Table salt is NaCl, made of the elements sodium and chlorine.

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Question 32 of 50

Human Body

Which blood group is known as the universal donor?

A AB positive

B **O negative** ✔

C A positive

D B positive

✔ **Correct Answer: B) O negative**

★ **Explanation:** O-negative red cells carry no A, B or Rh markers, so they can be given to almost anyone in an emergency.

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Question 33 of 50

Physics

Why do we see lightning before we hear thunder?

A Sound travels faster than light

B **Light travels faster than sound** ✔

C Thunder happens before lightning

D Clouds block the sound

✔ **Correct Answer: B) Light travels faster than sound**

★ **Explanation:** Light moves at 300,000 km/s but sound moves only about 343 m/s in air, so the flash reaches us first.

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Question 34 of 50

Human Body

Which organs filter the blood and make urine?

A **Kidneys** ✔

B Lungs

C Liver

D Intestines

✔ **Correct Answer: A) Kidneys**

★ **Explanation:** The kidneys remove waste and extra water from the blood and send them out as urine.

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Question 35 of 50

Physics

A battery stores which form of energy?

A Sound energy

B Wind energy

C Heat energy

D **Chemical energy** ✔

✔ **Correct Answer: D) Chemical energy**

★ **Explanation:** A battery stores chemical energy and changes it into electrical energy when a circuit is connected.

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Question 36 of 50

Biology

Which part of a plant absorbs water from the soil?

A **Roots** ✔

B Leaves

C Flowers

D Fruits

✔ **Correct Answer: A) Roots**

★ **Explanation:** Roots have tiny root hairs that soak up water and minerals. They also hold the plant firmly in the soil.

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Question 37 of 50

Physics

Which colour of white light bends the least in a prism?

A Violet

B Blue

C Green

D **Red** ✔

✔ **Correct Answer: D) Red**

★ **Explanation:** Red has the longest wavelength and bends the least. Violet bends the most. This makes a rainbow.

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Question 38 of 50

Daily Life

What is the chemical name of baking soda?

- **A** **Sodium bicarbonate** ✔
- **B** Sodium chloride
- **C** Calcium carbonate
- **D** Sodium hydroxide

✔ **Correct Answer: A) Sodium bicarbonate**

★ **Explanation:** Baking soda releases CO_2 gas when heated or mixed with acid. This makes cakes rise and become soft.

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Question 39 of 50

Physics

What is the SI unit of force?

- **A** **Newton** ✔
- **B** Joule
- **C** Pascal
- **D** Watt

✔ **Correct Answer: A) Newton**

★ **Explanation:** One newton is the force that gives a 1 kg object an acceleration of 1 m/s^2.

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Question 40 of 50

Earth & Space

Which layer of the atmosphere protects us from harmful UV rays?

A Methane layer

B Smog layer

C **Ozone layer** ✔

D Cloud layer

✔ **Correct Answer: C) Ozone layer**

★ **Explanation:** The ozone layer in the stratosphere absorbs most of the Sun's harmful ultraviolet radiation.

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Question 41 of 50

Earth & Space

Why does the sky look blue during the day?

A Reflection of the sea

B A blue gas in the air

C Absorption by clouds

D **Scattering of sunlight by air** ✔

✔ **Correct Answer: D) Scattering of sunlight by air**

★ **Explanation:** Air molecules scatter short blue wavelengths more than red ones, so blue light reaches our eyes from all directions.

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Question 42 of 50

Chemistry

Which gas smells like rotten eggs?

A Oxygen

B Nitrogen

C Helium

D **Hydrogen sulphide** ✔

✔ **Correct Answer: D) Hydrogen sulphide**

★ **Explanation:** Hydrogen sulphide (H_2S) forms when organic matter rots, and it smells like rotten eggs.

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Question 43 of 50

Biology

Which part of a cell is called its powerhouse?

A Nucleus

B Cell wall

C **Mitochondria** ✔

D Ribosome

✔ **Correct Answer: C) Mitochondria**

★ **Explanation:** Mitochondria release energy from food so that the cell can do its work.

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Question 44 of 50

Physics

Which mirror do dentists use to see a magnified image of teeth?

A Convex mirror

B Plane mirror

C **Concave mirror** ✔

D Rear-view mirror

✔ **Correct Answer: C) Concave mirror**

★ **Explanation:** A concave mirror gives a bigger, upright image when the object is held close to it.

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Question 45 of 50

Biology

Animals that eat only plants are called what?

A Carnivores

B Omnivores

C **Herbivores** ✔

D Decomposers

✔ **Correct Answer: C) Herbivores**

★ **Explanation:** Cows, goats and deer are herbivores. Carnivores eat meat and omnivores eat both.

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Question 46 of 50

Physics

Why does ice float on water?

A Ice is heavier than water

B **Ice is less dense than water** ✔

C Ice is very hot

D Water is sticky

✔ **Correct Answer: B) Ice is less dense than water**

★ **Explanation:** When water freezes it expands and becomes about 9% less dense than liquid water, so ice floats.

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Question 47 of 50

Human Body

Which vitamin helps the blood to clot?

A Vitamin A

B Vitamin D

C Vitamin E

D **Vitamin K** ✔

✔ **Correct Answer: D) Vitamin K**

★ **Explanation:** Vitamin K helps make the proteins that stop bleeding. Green leafy vegetables are a good source.

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Question 48 of 50

Daily Life

Which device protects a home's electric circuit from overload?

- **A** **Fuse** ✔
- **B** Bulb
- **C** Magnet
- **D** Compass

✔ **Correct Answer: A) Fuse**

★ **Explanation:** A fuse has a thin wire that melts when too much current flows, breaking the circuit and preventing fires.

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Question 49 of 50

Earth & Space

Which star is closest to the Earth?

A **The Sun** ✔

B Proxima Centauri

C Sirius

D Polaris

✔ **Correct Answer: A) The Sun**

★ **Explanation:** The Sun is about 150 million km away. The next nearest star, Proxima Centauri, is over 4 light-years away.

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Question 50 of 50

Daily Life

Which nutrient is called the body-building food?

A Carbohydrates

B Fats

C Dietary fibre

D **Proteins** ✔

✔ **Correct Answer: D) Proteins**

★ **Explanation:** Proteins in eggs, pulses, fish and milk build and repair our muscles and tissues.

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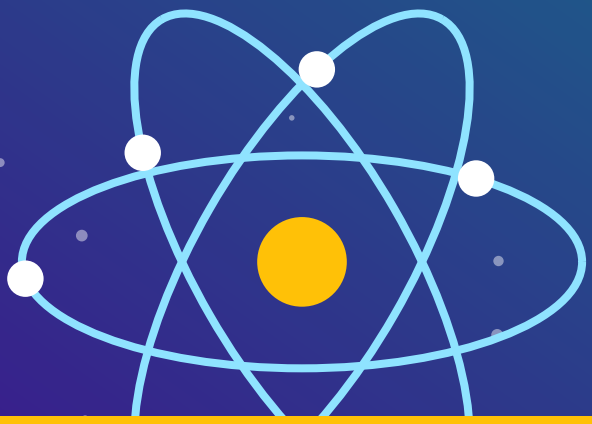
Quick Answer Key

Check your answers, then tap a cell to revisit that question.

1 - B	2 - D	3 - B	4 - A	5 - C
6 - B	7 - A	8 - C	9 - C	10 - A
11 - D	12 - D	13 - B	14 - C	15 - B
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My Score: _____ / 50

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✔

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