



Grade 5

OLYMPIAD 2023 - 24

SCIENCE

Total Questions: 50

Total Marks: 50

Time: 1hr

Set: A

Question: 1 of 50

QID: 21744

Marks: 1

In a class of 30 students, if Maria is ranked 15th from the top, what is her rank from the bottom?

- A. 15th
- B. 16th
- C. 15th from the bottom
- D. 16th from the bottom

Question: 2 of 50

QID: 21761

Marks: 1

Gravitational pull is maximum on _____.

- A. Earth
- B. Mercury
- C. Jupiter
- D. Venus

Question: 3 of 50

QID: 21759

Marks: 1

What will happen if the two magnets are placed as shown in the picture below



- A. Attract each other
- B. Repel each other
- C. Pull each other
- D. Cannot say

Question: 4 of 50

QID: 21771

Marks: 1

Pri lived along with her six roommates in a house in Paris. One day, out of them four fell ill. Which of these cases will make Pri fall ill?

- A. Kiara who has beri beri.
- B. Sandy who has cold.
- C. Nancy who developed a dust allergy.
- D. Miranda who has cancer

Question: 5 of 50

QID: 21760

Marks: 1

The fixed point of a Lever is called as _____.

- A. Fulcrum B. Stationary point
 C. Reference point D. All of these

Question: 6 of 50

QID: 21745

Marks: 1

Choose the pair that best represents the analogy: Finger is to Hand as Toe is to _____.

- A. Foot B. Nail
 C. Leg D. Knee

Question: 7 of 50

QID: 21785

Marks: 1

Read the given sentences.

- A: Food webs and food chains are different things
B: The food chain is a part of the food web.

Which of these statements is correct?

- A. A B. B
 C. Both A & B D. None

Question: 8 of 50

QID: 21790

Marks: 1

What is the law of conservation of energy?

- A. Energy can be created but not destroyed B. Energy cannot be created or destroyed, only transformed
 C. Energy is constant in a closed system D. Energy decreases over time

Question: 9 of 50

QID: 21765

Marks: 1

In which of the following ecosystems do the animals have thick fur coats for protection from the cold?

- A. Grasslands B. Mountains
 C. Forests D. Fresh water



People use kale plants for food. Photosynthesis makes food for the plant. We usually eat the part of the plant that does most of the photosynthesis.

Which part of the kale plant do we usually eat?

- A. The Leaves
- B. The Roots
- C. The Seeds
- D. The Flowers

Question: 11 of 50

QID: 21777

Marks: 1

The last two pairs of ribs of rib cage in human body are called _____.

- A. False ribs
- B. True ribs
- C. Incomplete ribs
- D. Floating ribs

Question: 12 of 50

QID: 21767

Marks: 1

Which property do these four objects have in common?



- A. Stretchy
- B. Transparent
- C. Salty
- D. Pink

Question: 13 of 50

QID: 21762

Marks: 1

A group of stars that form a beautiful pattern is known as

- A. Asteroids
- B. Constellations
- C. Comet
- D. Meteors

Question: 14 of 50

QID: 21789

Marks: 1

Clouds are formed in which layer of the Atmosphere

- A. Lithosphere
- B. Exosphere
- C. Stratosphere
- D. Troposphere

Question: 15 of 50

QID: 21778

Marks: 1

In which cavity shoulder bone or ball and socket joint found

- A. acetabulum cavity
- B. glenoid cavity
- C. Thoracic cavity
- D. abdominal cavity

Question: 16 of 50

QID: 21755

Marks: 1

Name the visible part of a tooth that is present above the gum.

- A. Dentine
- B. Enamel
- C. Crown
- D. Root

Question: 17 of 50

QID: 21750

Marks: 1

Which word does not belong to the group?

- A. Curious
- B. Inquisitive
- C. Bored
- D. Interested

Question: 18 of 50

QID: 21786

Marks: 1

Consider the following statements: Statement 1: Water is called the universal solvent because it can dissolve most of the substances. Statement 2: Water is called the universal solvent because it can freeze at zero degrees Celsius. Which one of the following is correct about the above statements?

- A. Statement 1 is false and 2 is true. B. Statement 1 is true and 2 is false.
- C. Both statements are true. D. Both statements are false.

Question: 19 of 50

QID: 21749

Marks: 1

Five friends – Amy, Bob, Chris, David, and Emily – are sitting in a row. If Chris is to the right of David and Emily is between Amy and Bob, who is on the extreme right?

- A. Amy B. Bob
- C. Chris D. David

Question: 20 of 50

QID: 21780

Marks: 1

The kind of particle pattern in Water is

- A. Flexible B. Rigid
- C. Very Loose D. All of the above

Question: 21 of 50

QID: 21793

Marks: 1

Choose the correct statement about the gas.

- A. It has definite volume but no definite shape B. It has no definite volume and no definite shape.
- C. It has definite shape and volume. D. It has a definite shape but no definite volume.

Question: 22 of 50

QID: 21783

Marks: 1

Choose the incorrect matching. (a) Venus- It is called the morning or evening star. (b) Saturn - Its rings are made of Rocks and dust. (c) Mercury – It is the coldest planet. (d) Jupiter- It is the largest and fastest spinning planet.

- A. a B. b
- C. c D. d

Lily was exposed to excessive noise pollution. Which of these health hazards can be seen in her?

- A. Headache
- B. Deafness
- C. Lack of sleep
- D. All of these

Pick the odd one out.

- A. Rivers
- B. Lakes
- C. Autumns
- D. Reservoirs

Choose the pair that best represents the analogy: Circle is to Sphere as Square is to ____.

- A. Cube
- B. Pyramid
- C. Cylinder
- D. Cone

Raindrops fall from the sky. The force of Earth's gravity pulls them to the ground.



What is the direction of this pull?

- A. Away from the Center of the Earth
- B. Towards the Center of the Earth

Question: 27 of 50

QID: 21773

Marks: 1

What is the primary component of natural gas, a fossil fuel?

- A. Methane
- B. Propane
- C. Butane
- D. Ethane

Question: 28 of 50

QID: 21751

Marks: 1

Which amongst these is a mixture

- A. Pasta Salad
- B. Platinum
- C. Ammonia
- D. Water Vapour

Question: 29 of 50

QID: 21763

Marks: 1

Earth is known as the _____ planet.

- A. Green
- B. Living
- C. Blue
- D. All of these

Question: 30 of 50

QID: 21782

Marks: 1

Which of the following is an incorrect match of the everyday objects and the simple machine involved in its functioning?

- A. Elevator-Pulley
- B. Escalator-Wedge
- C. Pepper mill-Wheel and axle
- D. Ladder-Inclined plane

Question: 31 of 50

QID: 21746

Marks: 1

Which word does not belong to the group?

- A. Joyful
- B. Cheerful
- C. Gloomy
- D. Ecstatic

Question: 32 of 50

QID: 21754

Marks: 1

Which of the following diseases cannot be prevented by a vaccine?

- A. Typhoid
- B. Tuberculosis
- C. Tetanus
- D. Cancer

Question: 33 of 50

QID: 21756

Marks: 1

Goitre is caused due to deficiency of _____.

- A. Sugar
- B. Iodine
- C. Water
- D. Vitamin D

Question: 34 of 50

QID: 21752

Marks: 1

If you start facing West and turn 135 degrees clockwise, in which direction are you facing now?

- A. North
- B. South
- C. East
- D. West

Question: 35 of 50

QID: 21774

Marks: 1

Chrysotile has the following properties:

naturally occurring
not made by living things
solid
pure substance
fixed crystal structure



Is chrysotile a mineral?

- A. Yes
- B. No

Question: 36 of 50

QID: 21792

Marks:1

Four planets are nearest to earth and are called terrestrial planets, those planets are-

-
- A. Mercury, Jupiter, Saturn, Uranus
- B. Mercury, Venus, Earth, Mars
- C. Mercury, Venus, Mars, Jupiter
- D. Jupiter, Saturn Uranus , Neptune

Question: 37 of 50

QID: 21770

Marks: 1

All stars appear to move from.....

-
- A. East to West
- B. West to East
- C. North of South
- D. South to North

Question: 38 of 50

QID: 21775

Marks: 1

What is the Earth's outermost layer called?

-
- A. Crust
- B. Mantle
- C. Core
- D. Lithosphere

Which form of energy would move the given grocery cart?



- A. Solar Energy
- B. Mechanical Energy
- C. Hydro Energy
- D. Heat Energy

Question: 40 of 50

QID: 21768

Marks: 1

An eco-system consists of

- A. Living organism
- B. Non-living organism
- C. Decomposer
- D. All of these

Question: 41 of 50

QID: 21787

Marks: 1

There are _____ molars present in each jaw in an adult human.

- A. 4
- B. 6
- C. 12
- D. 8

Question: 42 of 50

QID: 21748

Marks: 1

If Mike is the 8th tallest person in a group of 20, what is his rank percentage-wise?

- A. 0.3
- B. 0.4
- C. 0.35
- D. 0.45

Question: 43 of 50

QID: 21776

Marks: 1

The backbone is also called _____.

- A. Vertebral Column
- B. Skeleton
- C. Spinal Cord
- D. None of these

Question: 44 of 50

QID: 21747

Marks: 1

A piece of chalk has a volume of 2 cubic centimeters and a mass of 4 grams.
What is its density?
_____grams per cubic centimeter

- A. 6
- B. 4
- C. 8
- D. 2

Question: 45 of 50

QID: 21769

Marks: 1

The purpose of migration in animals/ birds is to:

- A. Escape from harsh weather.
- B. To enjoy
- C. Search food.
- D. Both A & C

Question: 46 of 50

QID: 21781

Marks: 1

Opposite of freezing is

- A. Sublimation
- B. Vaporization
- C. Condensation
- D. Melting

