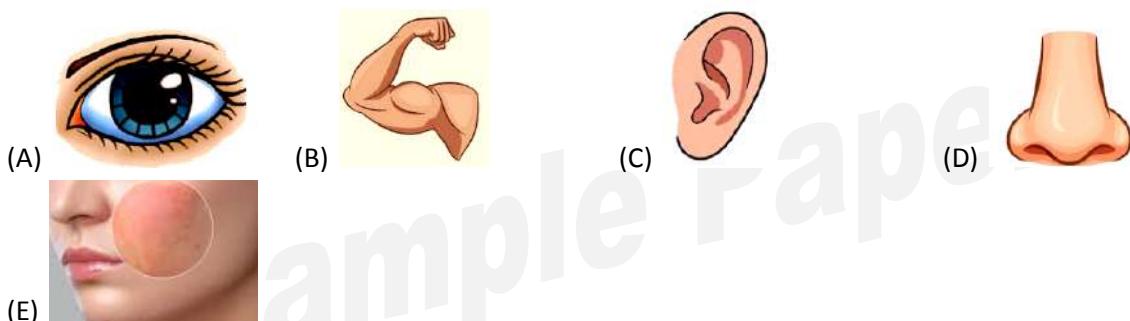


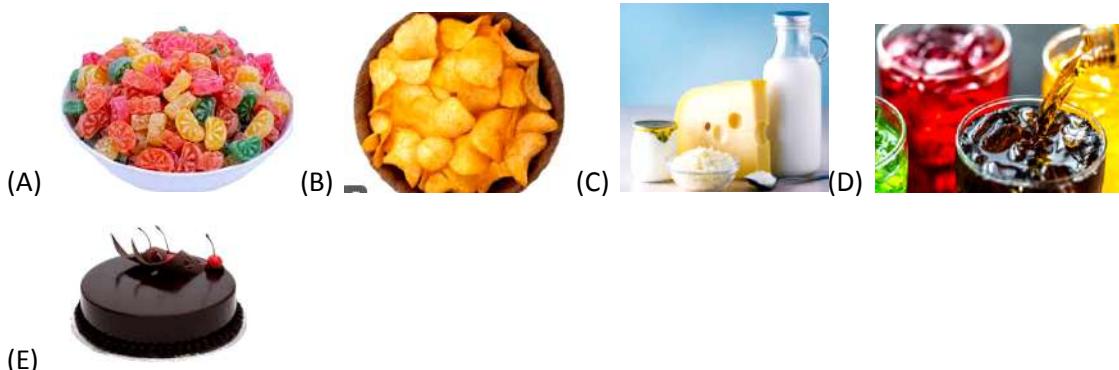
CSAR INTERNATIONAL SCIENCE OLYMPIAD

Basic: (3 Points)

1. When you play outside and your body gets tired, what part of your body sends the message to your brain that you need to rest?



2. Eating lots of sweets and sugary drinks can harm your teeth. What type of food helps keep your teeth and bones strong and healthy?

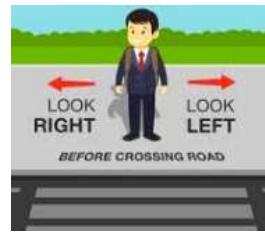


3. After playing outdoors, it's a good habit to take a bath or shower. What is the main reason for doing this, besides feeling cool?

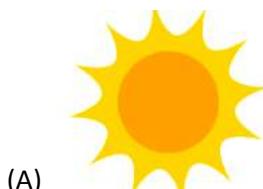
(A) Hands soft
(B) Smell nice
(C) Remove germs
(D) Help sleep
(E) Feel fresh



4. You are about to cross a busy road. What is the safest rule to follow before stepping onto the road to avoid danger?



5. If you want to fly a kite, you need to find a day with strong wind. What essential part of our environment makes the kite fly up into the sky?



6. You see a tap running in the bathroom even though no one is using it. Why is it important to turn off taps when not in use?

- (A) Prevent waste
- (B) Avoid noise
- (C) Save electric
- (D) Clean pipes
- (E) Stop floods



7. At night, we see many tiny, twinkling stars in the sky. What is the main source of light that makes these stars visible to us?

- (A) Moon's light
- (B) Sun's light
- (C) Their own light
- (D) Earth's light
- (E) City lights





Foundation: (4 Points)

9. You can look at an apple and know it is red, and then bite it to know it is sweet. Which two senses work together to give you this information about the apple?

- (A) Sight and touch
- (B) Sight and taste
- (C) Hearing and smell
- (D) Taste and touch
- (E) Smell and sight



10. You are helping an adult in the kitchen and see a bottle of cleaning liquid under the sink. It has a picture of a skull and crossbones on it. What is the safest thing you should do when you see a bottle with this warning sign?

(A) Play with it
(B) Taste its smell
(C) Tell an adult
(D) Hide the bottle
(E) Pour it out





11. Builders often use very strong, hard rocks like granite to make the foundations (bottom part) of buildings. Why is using very hard rocks important for building foundations?

- (A) Support heavy weight
- (B) Break easily
- (C) Look very nice
- (D) Feel very smooth
- (E) Get easily wet



12. During a heavy rainstorm, you notice that rain rolls right off your raincoat, keeping you dry. However, your cotton t-shirt gets soaking wet. What special property does your raincoat material have that the t-shirt material does not?

- (A) Is always very thick
- (B) Has many buttons
- (C) Pushes water away
- (D) Feels very heavy
- (E) Has many zippers



13. Every morning, the sun appears to rise in the east, and every evening, it appears to set in the west, creating day and night. What causes the sun to seem to move across the sky each day?

- (A) The Earth spins around
- (B) Moon pulls the Sun
- (C) Sun is flying around
- (D) Clouds move quickly
- (E) Stars push the Sun



14. In some countries, during the winter season, water that falls from the clouds is white and soft, forming snow. What change in the air's temperature causes water in the clouds to turn into snow instead of rain?

- (A) Gets much hotter
- (B) Gets cold enough to freeze
- (C) Gets very windy
- (D) Gets very rainy
- (E) Gets very sunny



15. You can see air blowing clothes on a line, and you can see water filling a glass. What important characteristic do air and water share that allows them both to flow and take the shape of their containers?



- (A) Both are completely invisible
- (B) Both feel heavy and hard
- (C) Both make loud noises
- (D) Both can move and flow
- (E) Both are always colored

16. Some houses in very hot places are painted white or have light-colored walls. What is the main reason for using light colors on houses in hot climates?



- (A) Makes the house taller
- (B) Attracts all the heat
- (C) Looks very modern
- (D) Bounces the Sun's heat
- (E) Hides dirt easily

Exploration: (5 Points)

17. A river flows constantly, moving rocks and shaping the land, but it will never grow old or stop flowing on its own. A tree also changes, getting bigger and eventually dying. What key characteristic does the tree have that shows it is living, while the river is not?

- (A) The tree moves its leaves and parts.
- (B) The tree can make its own food.
- (C) The tree has a full life cycle.
- (D) The tree changes color with seasons.
- (E) The tree affects the environment.



18. Some animals, like chameleons, can change their skin color to match their surroundings, such as a green leaf or a brown branch. Why is this special ability most important for a chameleon's survival in its habitat?



- (A) Looks very colorful
- (B) Helps attract friends
- (C) Hides from its enemies
- (D) Finds more food
- (E) Makes it feel cool

19. When you run very fast, your leg muscles need much more energy. To get this energy, your heart starts beating faster, and you breathe more quickly. Why do your heart and lungs work much harder when your muscles need more energy?



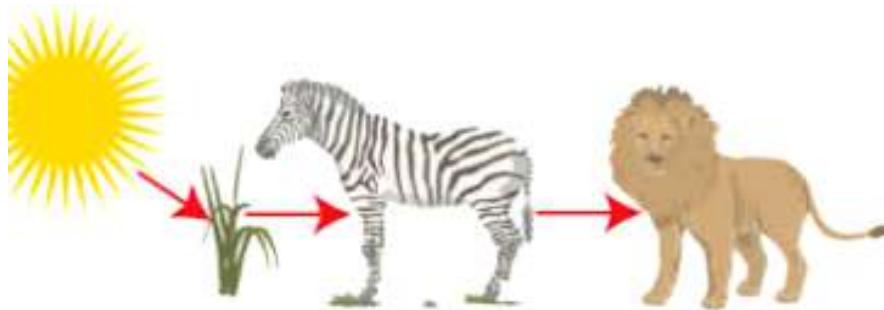
- (A) To make your body feel very tired.
- (B) To grab and deliver more oxygen.
- (C) To increase the body's heat level.
- (D) To pump all the extra blood out.
- (E) To help your legs move faster.

20. People put certain foods like milk in a refrigerator, or seal other foods in airtight containers, to keep them fresh longer. Why do these methods help food stay safe to eat and not spoil quickly?

(A) Makes food colder
(B) Keeps away insects
(C) Stops germ growth
(D) Adds good flavor
(E) Changes food color



21. Imagine a simple food chain where a lion eats a zebra, and a zebra eats grass. If all the grass on Earth suddenly disappeared forever, what would be the first major problem that the lion would face?



(A) Lion would feel cold
(B) Weather would change
(C) Lion would get sleepy
(D) Grass would grow back
(E) Zebra would starve

22. In places where big earthquakes happen often, houses are sometimes built with wood or flexible materials instead of hard brick. Why these materials are considered much better for houses in an earthquake zone?



(A) Look very nice
(B) Are very cheap
(C) Keep house cool
(D) Bend without breaking
(E) Are very strong

23. Understanding Plant Growth

A tiny seed grows into a big plant by following certain steps. Below are some important steps in this process. Your task is to choose the option that shows the **correct order** of how a seed usually grows into a plant.

**Steps (not in order):**

P: A seed is planted carefully in the soil.
W: Water is given to the seed regularly.
R: A tiny root grows down, and a small shoot grows up.
B: The plant gets bigger and grows more leaves.

Which option shows the correct order of these steps for a seed to grow into a plant?

(A) W, P, R, B (B) P, W, R, B (C) R, P, W, B (D) P, R, W, B
(E) B, W, P, R

24. Imagine a child who loves to eat many sugary candies and chocolates every single day. This child also rarely remembers to brush their teeth in the morning or at night.



Based on these habits, what would be the most likely problem this child might face with their teeth very soon?

(A) Teeth get cavities
(B) Teeth become strong
(C) Teeth change color
(D) Teeth get longer
(E) Teeth feel very smooth

□□□

Sample Paper

ANSWER KEY

1. (B)	2. (C)	3. (C)	4. (B)	5. (E)	6. (A)	7. (C)
8. (D)	9. (B)	10. (C)	11. (A)	12. (C)	13. (A)	14. (B)
15. (D)	16. (D)	17. (C)	18. (C)	19. (B)	20. (C)	21. (E)
22. (D)	23. (B)	24. (A)				