

Question 1: Which activity helps conserve both renewable and non-renewable resources?

- a) Recycling materials like paper, plastic, and metal
- b) Using more fossil fuels to generate electricity
- c) Planting more trees only
- d) Using solar panels only

Question 2: A bottle opener is an example of

- a) Lever
- b) Screw
- c) Pulley
- d) Wedge

Question 3: The size of the shadow depends mainly on

- a) Color of the object
- b) Shape of the object
- c) Distance between object and light source
- d) Direction of wind

Question 4: Nails are pointed to

- a) Reduce weight
- b) Pinch someone
- c) Look nice
- d) Act like a wedge and reduce effort

Question 5: Which process changes a solid directly into a gas without becoming a liquid?

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

Question 6: Which statement about water as a resource is most appropriate?

- a) Water is always non-renewable
- b) Water is renewable, but can become scarce if wasted
- c) Water cannot be polluted
- d) Water forms coal

Question 7: Why should we save non-renewable resources?

- a) Because they are cheap
- b) Because they grow in forests
- c) Because animals use them
- d) Because they cannot be replaced easily

Question 8: Which system helps you breathe by bringing oxygen into your body?

- a) Digestive System
- b) Respiratory System
- c) Nervous System
- d) Skeletal System

Question 9: Why is it easier to open a door by pushing near the edge instead of near the hinges?

- a) Doors are heavy
- b) The edge is smoother
- c) The handle is bigger
- d) Longer distance from fulcrum increases leverage

Question 10: _____ color in VIBGYOR has the longest wavelength

- a) Red
- b) Violet
- c) Blue
- d) Orange

Question 11: Which adaptation helps desert foxes survive in hot climates?

- a) Long thick fur
- b) Short legs
- c) Large ears to release heat
- d) Hibernation

Question 12: What is the main role of the heart in the circulatory system?

- a) To pump blood
- b) To think and learn
- c) To digest food
- d) To move bones

Question 13: Why is the steering wheel of a car a simple machine?

- a) Because it is colorful
- b) Because it works as wheel and axle
- c) Because it is a wedge
- d) Because it is a pulley

Question 14: Which part of the respiratory system is known as the windpipe?

- a) Trachea
- b) Esophagus
- c) Kidney
- d) Diaphragm

Question 15: We prefer solar cookers over coal stoves because

- a) They use renewable sunlight instead of limited coal
- b) Solar cookers are smaller
- c) They work at night also
- d) They do not need sunlight

Question 16: Which of the following is a renewable source of energy?

- a) Wind
- b) Petroleum
- c) Coal
- d) Natural gas

Question 17: What type of adaptation allows chameleons to change color to blend into their surroundings?

- a) Physiological adaptation
- b) Behavioral adaptation
- c) Structural adaptation
- d) Reproductive adaptation

Question 18: Why do shadows change size during the day?

- a) Air scatters light
- b) Object changes size
- c) Light color changes
- d) Sun's position changes

Question 19: What helps dolphins to locate food under water?

- a) Echolocation
- b) Sharp teeth
- c) Big eyes
- d) Long tails

Question 20: What is the primary mechanism by which the kidneys maintain blood pH balance in the urinary system?

- a) Reabsorbing bicarbonate ions and excreting hydrogen ions
- b) Increasing oxygen levels in the blood
- c) Producing insulin to regulate pH
- d) Filtering out excess glucose

Question 21: What happens to the particles of a substance when it changes from a liquid to a gas?

- a) They lose energy and slow down
- b) They get closer together
- c) They move farther apart and gain energy
- d) They lose energy and slow down

Question 22: Which part of scissors acts as a wedge?

- a) Handle
- b) Blades
- c) Screw
- d) Fulcrum

Question 23: Which behavior helps some animals survive in winter by sleeping?

- a) Migration
- b) Camouflage
- c) Courtship
- d) Hibernation

Question 24: Why do crocodiles swallow stones sometimes?

- a) To get minerals
- b) To help grind food and balance underwater
- c) To scare predators
- d) To store food

Question 25: Which part of the brain is responsible for coordinating voluntary muscle movements and maintaining balance?

- a) Cerebrum
- b) Cerebellum
- c) Brainstem
- d) Hypothalamus

Question 26: The smallest unit of the human body is the

- a) Tissue
- b) Organ
- c) Cell
- d) Bone

Question 27: Desert tortoises spend most of their time underground because

- a) They are too lazy to walk in sand
- b) To hide from predators permanently
- c) To store food in burrows
- d) To avoid extreme desert heat and conserve water

Question 28: The instrument that splits white light into seven colors

- a) Microscope
- b) Telescope
- c) Prism
- d) Lens

Question 29: Crocodiles often bask in the sun

- a) To scare other crocodiles
- b) To regulate body temperature
- c) To dry their body
- d) To attract fish closer

Question 30: What is an adaptation that helps a polar bear survive in cold environments?

- a) Long legs for running
- b) Bright colors for camouflage
- c) Thick fur and blubber
- d) Thin skin for heat loss

Question 31: If you cool a gas, it may become a

- a) More gas always
- b) Solid immediately
- c) Liquid
- d) Magnet

Question 32: Which of these is not a part of the skeleton?

- a) Rib
- b) Muscle
- c) Femur
- d) Skull

Question 33: Why is sunlight considered an inexhaustible resource?

- a) Because we can store it
- b) Because it produces coal
- c) Because it will not run out in our lifetime
- d) Because only humans use it

Question 34: Which of the following is not an adaptation that helps birds to fly?

- a) They have hollow bones and strong wing muscles
- b) They use their tails to change directions
- c) Their feathers help them to fly
- d) Their bodies are lighter than air

Question 35: The tissue that connects muscle to bone is called

- a) Cartilaginous tissue
- b) Cartilage
- c) Ligament
- d) Tendon

Question 36: Why are fossil fuels called fossil?

- a) Because they are black
- b) Because they form from dinosaur bones only
- c) Because they are soft like fossils
- d) Because they are formed from ancient dead plants & animals

Question 37: Which of the following is not possible?

- a) Light traveling in straight line
- b) Sound vibrating air molecules
- c) Sound traveling in empty
- d) Light reflecting from mirror

Question 38: Which property describes that solids keep their shape?

- a) Flow ability
- b) Compressibility
- c) Evaporation
- d) Rigidity

Question 39: What role do fungi and bacteria play in ecosystems?

- a) Decomposers
- b) Consumers
- c) Producers
- d) Predators

Question 40: How do desert plants like cacti conserve water?

- a) Broad leaves
- b) **Thick stems and reduced leaves**
- c) Shallow roots
- d) Bright flowers

Question 41: What is the correct sequence of food passage in the digestive system?

- a) Mouth → Large intestine → Stomach → Small intestine
- b) Mouth → Small intestine → Stomach → Large intestine
- c) Mouth → Stomach → Small intestine → Large intestine
- d) Mouth → Stomach → Large intestine → Small intestine

Question 42: A pulley make work easier because

- a) It is round
- b) It is colorful
- c) It has grooves
- d) It changes direction of force

Question 43: Which kind of objects allow only some light to pass through?

- a) Transparent
- b) Opaque
- c) Translucent
- d) Reflective

Question 44: Which simple machine is used to draw water from a well?

- a) Screw
- b) Wedge
- c) Ramp
- d) Pulley

Question 45: Penguins huddle together in winter to

- a) Protect eggs from predators
- b) Store food in groups
- c) Reduce heat loss and stay warm
- d) Swim faster in teams

Question 46: The white coat of a polar bear is helpful because it

- a) Keeps the bear warm only
- b) Acts as camouflage in snow and provides insulation
- c) Helps in swimming faster
- d) Stores food in fur layers

Question 47: Wedges are used in axes

- a) To reduce weight
- b) To decorate
- c) To act as pulley
- d) To split objects by concentrating force

Question 48: Which hormone helps regulate blood sugar and is produced by the pancreas?

- a) Insulin
- b) Adrenaline
- c) Growth hormone
- d) Thyroxin

Question 49: Which example shows condensation?

- a) Ice turning to water
- b) A piece of paper getting wet
- c) Water boiling into steam
- d) Water droplets on a cold glass

Question 50: Whales breathe using

- a) Gills like fishes
- b) Their fins on the back
- c) Blowholes connected to their lungs
- d) Stored air in their stomach