

**Class 1 | Science Olympiad**

**Instructions:** Each question has one correct answer. Choose the best option (A/B/C/D). Answer key is provided at the end. This paper is for practice only — not an official exam paper. Recommended time: **45 minutes**.

**Q1.** Which of these is a LIVING thing?

A. rock

B. fire

C. mushroom

D. water

**Q2.** Plants make their own food using:

A. sunlight, water, and carbon dioxide

B. sunlight and soil only

C. water and oxygen only

D. sunlight and nitrogen

**Q3.** Which state of matter has NO definite shape and NO definite volume?

A. solid

B. liquid

C. gas

D. ice

**Q4.** The heart is part of the \_\_\_ system.

A. digestive

B. nervous

C. circulatory

D. skeletal

**Q5.** Frogs can live both in water and on land. They are called:

A. reptiles

B. amphibians

C. mammals

D. fish

**Q6.** Which of these is NOT a property of liquids?

A. They flow.

B. They have no fixed shape.

C. They have a fixed volume.

D. They have a fixed shape.

**Q7.** Which organ do we use to think?

A. heart

B. lungs

C. brain

D. stomach

**Q8.** A caterpillar changes into a butterfly. This process is called:

**A.** hibernation

**B.** migration

**C.** metamorphosis

**D.** respiration

---

**Q9.** Which of these animals is a MAMMAL?

**A.** snake

**B.** eagle

**C.** dolphin

**D.** frog

---

**Q10.** The process by which plants make food using sunlight is called:

**A.** respiration

**B.** digestion

**C.** photosynthesis

**D.** absorption

---

**Q11.** Which gas do plants absorb from the air to make food?

**A.** oxygen

**B.** nitrogen

**C.** hydrogen

**D.** carbon dioxide

---

**Q12.** Which part of the plant absorbs water and minerals from the soil?

**A.** leaves

**B.** stem

**C.** roots

**D.** flowers

---

**Q13.** Ice melts when heated. This change is:

**A.** chemical

**B.** permanent

**C.** physical

**D.** biological

---

**Q14.** Which of these is a HERBIVORE (eats only plants)?

**A.** lion

**B.** rabbit

**C.** eagle

**D.** shark

---

**Q15.** Sound is produced by:

**A.** light

**B.** vibration

**C.** heat

**D.** gravity

---

**Q16.** Which planet is closest to the Sun?

**A.** Venus

**B.** Earth

**C.** Mars

**D.** Mercury

---

**Q17.** We breathe in \_\_\_ and breathe out \_\_\_ .

**A.** carbon dioxide, oxygen

**B.** oxygen, carbon dioxide

**C.** nitrogen, oxygen

**D.** oxygen, nitrogen

---

**Q18.** A simple machine that has a wheel and an axle is a:

**A.** pulley

**B.** lever

**C.** doorknob

**D.** wedge

---

**Q19.** The Sun is a:

**A.** planet

**B.** moon

**C.** star

**D.** comet

---

**Q20.** Which sense organ is used to detect smell?

**A.** eyes

**B.** ears

**C.** nose

**D.** tongue

---

**Q21.** Light travels in \_\_\_ .

**A.** curved lines

**B.** zigzag patterns

**C.** straight lines

**D.** circles

---

**Q22.** Birds have \_\_\_ to keep warm.

**A.** scales

**B.** feathers

**C.** fur

**D.** moist skin

---

**Q23.** Which material is the BEST conductor of electricity?

**A.** rubber

**B.** plastic

**C.** wood

**D.** copper

---

**Q24.** A shadow is formed when light is \_\_\_ by an opaque object.

**A.** absorbed

**B.** reflected

**C.** blocked

**D.** bent

---

**Q25.** Which of these is a renewable source of energy?

**A.** coal

**B.** petroleum

**C.** solar energy

**D.** natural gas

---

**Q26.** A food chain always starts with a:

**A.** carnivore

**B.** herbivore

**C.** decomposer

**D.** plant (producer)

---

**Q27.** The Moon orbits the \_\_\_ .

**A.** Sun

**B.** Earth

**C.** Mars

**D.** stars

---

**Q28.** Water boils at \_\_\_ degrees Celsius at sea level.

**A.** 50°C

**B.** 75°C

**C.** 100°C

**D.** 120°C

---

**Q29.** Which of these is NOT a sense?

**A.** sight

**B.** digestion

**C.** hearing

**D.** touch

---

**Q30.** Bones in the body are connected by \_\_\_ .

**A.** muscles

**B.** skin

**C.** joints

**D.** veins

---

**Q31.** Which is the largest planet in our solar system?

**A.** Saturn

**B.** Uranus

**C.** Neptune

**D.** Jupiter

---

**Q32.** Decomposers like fungi and bacteria break down:

A. rocks

B. sunlight

C. dead organisms

D. water

---

**Q33.** Which part of the eye controls the amount of light entering it?

A. retina

B. cornea

C. pupil

D. lens

---

**Q34.** Iron rusting is an example of a \_\_\_ change.

A. physical

B. reversible

C. chemical

D. temporary

---

**Q35.** The force that pulls objects towards the Earth is called:

A. magnetism

B. friction

C. gravity

D. buoyancy

---

**Q36.** In which state of matter are the molecules MOST closely packed?

A. gas

B. liquid

C. solid

D. plasma

---

**Q37.** The process by which water turns into water vapour is called:

A. condensation

B. precipitation

C. evaporation

D. transpiration

---

**Q38.** Which organ purifies blood in the human body?

A. lungs

B. liver

C. kidneys

D. both B and C

---

**Q39.** A rainbow is formed due to:

A. reflection of sunlight by clouds

B. dispersion of white light by water droplets

C. refraction of moonlight

D. emission of coloured light by the Sun

---

**Q40.** Which of these is an INVERTEBRATE (no backbone)?

A. shark

B. frog

C. earthworm

D. pigeon

### Answer Key

Q1: C    Q2: A    Q3: C    Q4: C    Q5: B    Q6: D    Q7: C    Q8: C    Q9: C    Q10: C  
Q11: D    Q12: C    Q13: C    Q14: B    Q15: B    Q16: D    Q17: B    Q18: C    Q19: C  
Q20: C    Q21: C    Q22: B    Q23: D    Q24: C    Q25: C    Q26: D    Q27: B    Q28: C  
Q29: B    Q30: C    Q31: D    Q32: C    Q33: C    Q34: C    Q35: C    Q36: C    Q37: C  
Q38: D    Q39: B    Q40: C