

Class 3 | 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 layer of the Earth is the thinnest?

A. mantle

B. outer core

C. inner core

D. crust

Q2. Photosynthesis takes place mainly in the:

A. roots

B. stem

C. leaves

D. flowers

Q3. The process by which water vapour cools and turns into liquid is called:

A. evaporation

B. condensation

C. precipitation

D. transpiration

Q4. Which of these is an INSECT?

A. spider

B. centipede

C. butterfly

D. scorpion

Q5. The green pigment in leaves that helps in photosynthesis is:

A. melanin

B. carotenoid

C. chlorophyll

D. haemoglobin

Q6. Which type of joint allows the MOST movement?

A. fixed joint (skull)

B. hinge joint (knee)

C. ball-and-socket joint (shoulder)

D. pivot joint (neck)

Q7. Light from the Sun reaches Earth in about:

A. 1 second

B. 1 minute

C. 8 minutes

D. 1 hour

Q8. Which force keeps the planets in orbit around the Sun?

A. friction

B. magnetism

C. gravity

D. buoyancy

Q9. In the water cycle, water evaporates from oceans and forms:

A. soil

B. clouds

C. rivers

D. glaciers

Q10. The scientific study of living things is called:

A. physics

B. chemistry

C. geology

D. biology

Q11. Which of these is a VERTEBRATE?

A. jellyfish

B. octopus

C. earthworm

D. lizard

Q12. Which planet has a ring system most visible from Earth?

A. Jupiter

B. Saturn

C. Uranus

D. Neptune

Q13. An object sinks in water when its density is ___ water.

A. equal to

B. less than

C. greater than

D. mixed with

Q14. Which blood cells fight infection?

A. red blood cells

B. platelets

C. white blood cells

D. plasma

Q15. The process by which plants release water vapour through their leaves is:

A. respiration

B. evaporation

C. transpiration

D. absorption

Q16. Which of these is a CHEMICAL change?

A. cutting paper

B. melting ice

C. burning wood

D. breaking glass

Q17. A concave lens causes light rays to:

A. converge (meet)

B. stay parallel

C. diverge (spread out)

D. stop moving

Q18. The loudness of sound is measured in:

A. hertz

B. watts

C. decibels

D. newtons

Q19. Which organ produces insulin to control blood sugar?

A. liver

B. kidney

C. pancreas

D. stomach

Q20. The speed of light in a vacuum is approximately:

A. 300 km/s

B. 3,000 km/s

C. 300,000 km/s

D. 3,000,000 km/s

Q21. Which of these is NOT a function of the skeleton?

A. supporting the body

B. protecting organs

C. producing sound

D. producing blood cells

Q22. Plants that complete their life cycle in one year are called:

A. perennials

B. biennials

C. annuals

D. evergreens

Q23. The distance from Earth to the Moon is approximately:

A. 4,000 km

B. 40,000 km

C. 400,000 km

D. 4,000,000 km

Q24. Which gas makes up most of Earth's atmosphere?

A. oxygen

B. carbon dioxide

C. nitrogen

D. argon

Q25. Herbivores have ___ teeth for grinding plants.

A. sharp canine

B. flat molars and premolars

C. pointed incisor

D. hollow fang

Q26. A prism splits white light into colours because of:

A. reflection

B. diffraction

C. dispersion

D. absorption

Q27. The process of digestion begins in the:

A. stomach

B. small intestine

C. liver

D. mouth

Q28. Which of these is a PHYSICAL property of matter?

A. flammability

B. reactivity with acid

C. ability to rust

D. melting point

Q29. The unit used to measure electric current is:

A. volt

B. watt

C. ampere

D. ohm

Q30. Migratory birds travel to warmer places to:

A. find larger trees

B. avoid predators

C. find food and survive winter

D. lay eggs in hot climates

Q31. The powerhouse of the cell is the:

A. nucleus

B. cell wall

C. mitochondria

D. ribosome

Q32. Which of these is an example of POTENTIAL energy?

A. a running dog

B. a ball rolling downhill

C. a compressed spring

D. a spinning top

Q33. A full Moon occurs when the Moon is ___ relative to the Sun and Earth.

A. between Earth and Sun

B. on the same side as the Sun

C. on the opposite side of Earth from the Sun

D. above Earth's North Pole

Q34. Which type of rock contains fossils?

A. igneous

B. metamorphic

C. sedimentary

D. volcanic

Q35. Earthworms improve soil by:

A. adding minerals from the sky

B. eating harmful bacteria

C. loosening and aerating the soil

D. producing fertiliser from sunlight

Q36. The function of the lungs is to:

A. digest food

B. pump blood

C. exchange oxygen and carbon dioxide

D. filter waste from blood

Q37. Which planet is closest in size to Earth?

A. Mars

B. Mercury

C. Venus

D. Neptune

Q38. The SI unit of force is the:

A. joule

B. watt

C. newton

D. pascal

Q39. In a complete circuit, electrons flow from:

A. positive to negative terminal through external wire

B. negative to positive terminal through external wire

C. negative terminal, through external wire, to positive terminal

D. both directions simultaneously

Q40. A solar eclipse occurs when the ___ passes between the Sun and Earth.

A. Earth

B. planet Mars

C. Moon

D. comet

Answer Key

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