E-mail: Info@saolympiads.co.za website : www.saolympiads.co.za

GRADE 5

Natural Science & Technology

E-mail: Info@saolympiads.co.za website : www.saolympiads.co.za

A. Paper structure for the Olympiad

Multiple Choice Questions and Application Questions

B. How does it align with the curriculum?

CAPS topics include:

- Matter and materials
- Planet Earth and Beyond
- Types of Rocks and Soil
- Astronomy
- Life and Living

C. How does it go beyond?

The olympiad includes some general and conceptual knowledge questions based on the practical implementation of natural sciences in everyday life.

D. Sample questions

Strictly multiple questions are structured according to Bloom's level of taxonomy.

1. Which of these is NOT a type of simple machine?

   a) Lever

   b) Pulley

   c) Wheel and axle

   d) Battery

2. What is the process by which plants make their food?

   a) Respiration

   b) Photosynthesis

   c) Digestion

   d) Transpiration

3. Which layer of Earth is the hottest?

   a) Crust

   b) Mantle

   c) Outer core

   d) Inner core

4. What is the main function of red blood cells?

   a) Fight infections

   b) Carry oxygen

   c) Produce antibodies

   d) Clot blood

5. Which of these animals is a cold-blooded vertebrate?

a) Frog

b) Dog

c) Bird

d) Human

6. What is the term for the amount of water vapour in the air?

a) Precipitation

b) Condensation

c) Humidity

d) Evaporation

7. Which of these is an example of chemical change?

a) Ice melting

b) Paper being cut

c) Rusting of iron

d) Sugar dissolving in water

8. What is the main source of energy for the Earth's water cycle?

a) Wind

b) The Sun

c) Gravity

d) The Moon

9. Which of these organs is part of the digestive system?

a) Lungs

b) Heart

c) Pancreas

d) Kidneys

10. What type of rock is formed from cooled lava?

a) Sedimentary

b) Metamorphic

c) Igneous

d) Composite

E-mail: Info@saolympiads.co.za website : www.saolympiads.co.za

ANSWERS

1. d) Battery

2. b) Photosynthesis

3. d) Inner core

4. b) Carry oxygen

5. a) Frog

6. c) Humidity

7. c) Rusting of iron

8. b) The Sun

9. c) Pancreas

10. c) Igneous