

Practical Task Term 1: Biosphere to ecosystems

Date: _____

Name: _____

Total	
	30

Duration: 45 minutes

INSTRUCTIONS AND INFORMATION**Read the following instructions carefully before answering the questions.**

1. This is a formal SBA task and must be done under supervised conditions in the classroom.
2. Each learner completes this task on his/her own (under test conditions).
3. Present the answers according to the instructions of each question.
4. Draw all diagrams in pencil and labels in blue ink.
5. The diagrams in the question paper may NOT be drawn to scale.

BACKGROUND INFORMATION

The biosphere is the thin layer of land, air and water around the earth's surface that supports life. The abiotic, or non-living, portion of each ecosystem in the biosphere includes the flow of energy, nutrients, water, and gases and the concentrations of organic and inorganic substances in the environment. The biotic, or living, portion includes organisms based on their methods of acquiring energy: the primary producers, largely green plants; the consumers, which include all the animals; and the decomposers, which include the microorganisms that break down the remains of plants and animals into simpler components for recycling in the biosphere.

Ecological pyramids are a graphical representation in the shape of a pyramid to show the feeding relationship of groups of organisms, and the flow of energy or biomass through the different trophic levels in a given ecosystem.

QUESTION 1: Abiotic factors

Grade 10 learners carried out an investigation to determine the water content,

Term 3 Food Test Life Sciences Practical

DR. DEVINDER K. KANSAL



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Comprehensive Practical Science IX S.P. Saxena,Dheeraj Saxena,2010

Histology MCQ (Multiple Choice

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Proposed Saccharin Ban--oversight United States. Congress. House. Committee on Interstate and Foreign Commerce. Subcommittee on Health and the Environment, 1977

Childhood Nutrition Fima Lifshitz, 2020-08-11 An invaluable resource *Childhood Nutrition* provides accurate facts on current concepts in pediatric nutrition including theories of nutrition in the pathophysiology of disease and in developing nutritional healthcare plans Written by an outstanding group of specialists each chapter is thoroughly researched and referenced

Aerospace Medicine and Biology ,1993 A selection of annotated references to unclassified reports and journal articles that were introduced into the NASA scientific and technical information system and announced in Scientific and technical aerospace reports STAR and International aerospace abstracts IAA *Report of the ... Meeting of the British Association for the Advancement of Science* British Association for the Advancement of Science. Meeting,1918

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