

**9 0 4 6 2**

## **Level 2 Biology, 2004**

### **90462 Describe diversity in the structure and function of animals**

Credits: Three

<i>Achievement Criteria</i>					
<i>Achievement</i>	<i>Achievement with Merit</i>	<i>Achievement with Excellence</i>			
Describe diversity in the structure and function of animals.	<input type="checkbox"/>	Explain diversity in the structure and function of animals.	<input type="checkbox"/>	Discuss diversity in the structure and function of animals.	<input type="checkbox"/>
<b>Overall Level of Performance</b>					

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You are advised to spend 35 minutes answering the questions in this booklet.

Through observing animals it is obvious that there is a wide variety of different structures and methods to carry out each life process. Animals or animal groups living in different environments have different structures and methods for carrying out any one life process.

This assessment requires you to **describe** the differences that exist between three animals or animal groups for ONE life process. It also asks you to **discuss** diversity in structures and functions for the ONE process.

Select ONE of the following life processes and **circle** it

- transport
- gas exchange
- nutrition
- excretion

In the boxes below, write the names of the THREE different animals or animal groups that you will use in your answer. Choose animals or animal groups that clearly show diversity in structures and functions for the life process that you have circled above.

Animal or animal group 1:	Animal or animal group 2:	Animal or animal group 3:

- Clearly labelled diagrams may be used in your answers.

## QUESTION ONE

Describe some adaptations developed by each animal or animal group in order to carry out the life process that you have selected.

Animal or animal group 1:

Animal or animal group 2:

Animal or animal group 3:

## QUESTION TWO

**Discuss** how the adaptations of each animal or animal group differ for the selected life process, and how these adaptations aid their survival in their habitat. In your discussion, include possible reasons for the diversity of the structures and functions between the animals or animal groups.