



Year 7 Science

End of Unit
25 marks

Classification

Instructions: 1. Answer all questions on this paper.

Date _____

Name _____

Class _____

- 1 a) Why is classification of living things so important? _____ (2)

- b) Why is it important that everyone in the world uses the same classification system for organisms? _____ (1)

- c) What does the word taxonomy mean? _____ (1)

- d) What does the word organism mean? _____ (1)

- e) What does the word zoology mean? _____ (1)

- f) What does the word botany mean? _____ (1)

- 2 a) Name the five kingdoms: _____ (2)

- b) In the microscope is seen a single-celled organism. It has a nucleus.
To which kingdom does it belong? _____ (1)
- c) An organism looks very much like a plant but doesn't have any chlorophyll.
To which kingdom does it belong? _____ (1)
- d) Correctly reorder the seven divisions:
Family Kingdom Order Class Species Phylum Genus _____ (1)

- 3 a) Reptiles and amphibians need to be warm (24°C-35°C) before they can move about.
How do they get their warmth? _____ (1)

- b) Very few cold-blooded animals live in cold climates. Why? _____ (1)



1	Backbone (a vertebrate) No backbone	Chordata Go to 2
2	Exoskeleton No exoskeleton	Go to 3 Go to 4
3	Each segment of body with appendages Marine animal covered with plates and spines	Arthropoda Echinodermata
4	Worm Not a worm	Go to 5 Go to 6
5	Round worm with segmented body Round worm, no segmented body Flat worm	Annelida Nematoda Platyhelminthes
6	Soft body with a shell and head or tentacles Simple opening serves as mouth and anus Shaped like a tube	Mollusca Cnidaria Porifera

4 Use the above key to classify the following animals into their phyla:

- a) Has a vertebrae, is warm-blooded and has hair. _____ (1)
- b) Aquatic and transparent. Many long stinging tentacles. _____ (1)
- c) A segmented body with a shell. Six legs attached to the thorax. _____ (1)
- d) A marine animal covered in spines. _____ (1)

5 a) What is the purpose of the vascular system of a plant? _____ (1)

b) Name a plant phyla that doesn't have a vascular system. _____ (1)

c) What is a difference between a conifer and a moss? _____ (1)

_____ platinum _____

d) Which phyla develops seeds in cones? _____ (1)

e) What are two differences between a monocot and a dicot. _____ (1)

6 a) Name the technology that led to the expansion of two kingdoms to five kingdoms. _____ (1)

b) It has been estimated that about 7 million species are yet to be discovered. Why so many? _____ (1)

Did you find your silly mistakes?

