



# 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	<b>Chordata</b> 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	<b>Arthropoda</b> <b>Echinodermata</b>
4	Worm Not a worm	Go to 5 Go to 6
5	Round worm with segmented body Round worm, no segmented body Flat worm	<b>Annelida</b> <b>Nematoda</b> <b>Platyhelminthes</b>
6	Soft body with a shell and head or tentacles Simple opening serves as mouth and anus Shaped like a tube	<b>Mollusca</b> <b>Cnidaria</b> <b>Porifera</b>

**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?

