

**AQA, OCR, Edexcel**

**GCSE Science**

# **GCSE Biology**

**Classification Answers**

Name:

**M M E**

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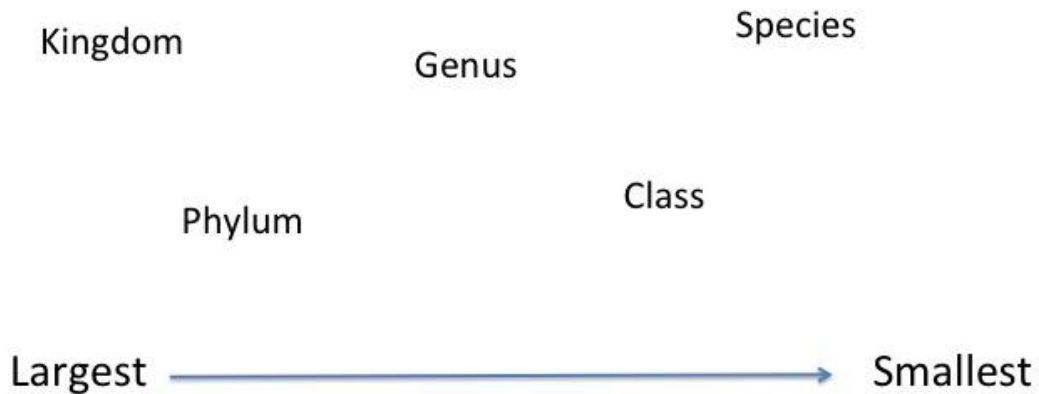
**Total Marks: /21**

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Q1: What is classification?

A= Organisation of living organisation into groups (1) according to their similarities (1).  
(2 marks)

Q2: Using the Linnaeus classification system below put the classification in order of size.



Kingdom → Phylum → Class → Genus → Species

(5 marks)

Q3: Give the scientific name for humans.

A= *Homo sapiens*  
(1 mark)

Q4: Why has the system of classification been altered due to modern technology?

A= Accept any 2 of the following:

- Development of microscopes
- Can see internal cell structures
- Knowledge of biochemistry

(2 marks)

Q5: Explain how scientists name species.

A= 1 mark for each of the following:

- 2 names
- Genus and Species

(2 marks)

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Q6: What are the 3 domains of modern classification systems?

A= 1 mark for each of the following points:

- Achaea
- Bacteria
- Eukaryota

(3 marks)

Q7: How is the relationship between organisms shown?

A= Evolutionary trees

(1 mark)

Q8: How are scientists determining which group organisms belong to?

A= DNA

(1 mark)

Q9: Why are evolutionary trees useful?

A= 1 mark for each of the following:

- See close relations
- Show ecological relationships
- Show evolution

(3 marks)

Q10: Give a definition of Eukaryota.

A= Organisms who's cells contain a nucleus encasing genetic material.

(1 mark)