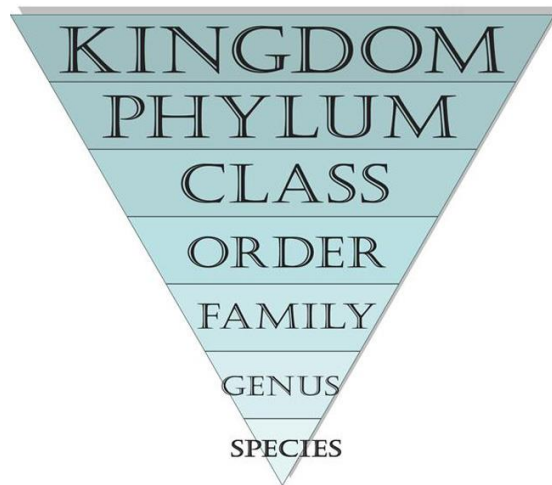# How Living Things Are Classified

KINGDOM
PHYLUM
CLASS
ORDER
FAMILY
GENUS
SPECIES

Recall: a member of a particular classification group has traits that are the same as all members of its own group, as well as all members of the broader classification groups.

For example: As humas we are in the **Class Mammalia**.
- We therefore share **quite a few** characteristics with all other **mammals**.
- We also share **a few** characteristics with all members of our **Phylum Chordata** and our **Kingdom Animalia**.
- We **DO NOT** share **all** the detailed characteristic with the various **Orders** that mammals are divided into.

CLASSIFICATION GROUP   **SHARES SOME CHARACTERISTICS WITH WHICH GROUPS**

1. a) a member of a class   _____

   b) a member of an order   _____

   c) a member of a species   _____

2. Circle which are **most** similar…
   a) members of a genus or members of a kingdom?

   b) members of an order or members of a family?

   c) members of an order or members of a phylum?

3. Circle which are **least** similar…
   a) members of a phylum or members of a kingdom?

   b) members of an class or members of a family?

   c) members of a species or members of a genus?

4. Circle which has **more members…**
   a) a phylum or a family?   b) a genus or a family?

5. Circle which group has **fewer members…**
   a) a family or genus?   b) an order or a phylum?

6. a) Which taxonomic group has the **most members?** _____

   b) Which taxonomic group has the **fewest members?** _____

Study the following table showing the classification of four organisms.

	Dandelion	Dog	Wolf	Human
Kingdom	Plantae	Animalia	Animalia	Animalia
Phylum	Tracheophyta	Chordata	Chordata	Chordata
Class	Angiospermae	Mammalia	Mammalia	Mammalia
Order	Asterales	Carnivora	Carnivora	Primates
Family	Compositae	Canidae	Canidae	Hominidae
Genus	Taraxacum	Canis	Canis	Homo
Species	officinale	familiaris	lupus	sapiens

7. How many taxonomic groups do wolves and humans share? _____

8. How many taxonomic groups do wolves and dogs share? _____

9. a) Which two organisms are the most similar? _____

   b) How do you know? _____

10. a) Which organism is least like the other three? _____

   b) How do you know? _____

11. In what kingdom is the dandelion classified? _____

12. In what order is the dog classified? _____

13. What is the scientific name of the wolf?

14. What is the scientific name of the dandelion?

15. Who is Professor Remus Lupin and which **two** of the four organisms is he most closely related to?

16. Referencing the table above, suggest why J.K. Rowling named this character Lupin?

How Living Things Are Classified   ==KEY==

CLASSIFICATION GROUP   SHARES SOME CHARACTERISTICS WITH WHICH GROUPS

1. a) a member of a class   ==members of it's class, phylum & kingdom==
   b) a member of an order   ==members of it's order, class, phylum & kingdom==
   c) a member of a species   ==members of it's species, genus, family, order, class, phylum & kingdom==

2. Circle which are **most** similar…
   a) members of a ==genus== or members of a kingdom?
   b) members of an order or members of a ==family==?
   c) members of an ==order== or members of a phylum?

3. Circle which are **least** similar…
   a) members of a phylum or members of a ==kingdom==?
   b) members of an ==class== or members of a family?
   c) members of a species or members of a ==genus==?

4. Circle which has **more members**…
   a) a ==phylum== or a family?   b) a genus or a ==family==?

5. Circle which group has **fewer members**…
   a) a family or ==genus==?   b) an ==order== or a phylum?

6. a) Which taxonomic group has the **most members**? ==Kingdom==
   b) Which taxonomic group has the **fewest members**? ==Species==

Study the following table showing the classification of four organisms.

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Family	Compositae	Canidae	Canidae	Hominidae
Genus	Taraxacum	Canis	Canis	Homo
Species	officinale	familiaris	lupus	sapiens

7. How many taxonomic groups do wolves and humans share? ==3==

8. How many taxonomic groups do wolves and dogs share? ==6==

9. a) Which two organisms are the most similar? ==Dog and Wolf==
   b) How do you know? ==They share the **most** taxonomic groups==

10. a) Which organism is least like the other three? ==Dandelion==
    b) How do you know? ==They share the **least** taxonomic groups==

11. In what kingdom is the dandelion classified? ==Plantae==

12. In what order is the dog classified? ==Carnivora==

13. What is the scientific name of the wolf? ==Canis lupus==

14. What is the scientific name of the dandelion? ==Taraxacum officinale==

15. Who is Professor Remus Lupin and which **two** of the four organisms is he most closely related to? ==He is professor of Defence Against the Dark Arts at Hogwarts. Human and Wolf.==

16. Referencing the table above, suggest why J.K. Rowling named this character Lupin? ==He is a werewolf and the species name of wolf is lupus.==