



**MINISTRY OF EDUCATION
PRIMARY ENGAGEMENT PROGRAMME
GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 1: WEEK 5
TOPIC: GROUPS OF VERTEBRATES**

Name: _____ Date _____

FACTS/TIPS

There are five groups of vertebrates.

These groups are

- Fishes
- Amphibians
- Reptiles
- Birds
- Mammals

Fish



Amphibian



Reptile



Bird



Mammal



ON YOUR OWN

Provide answers to these questions.

1. There are _____ groups of vertebrates.
2. Two groups of vertebrates are _____ and _____.
3. An example of a reptile is _____.
4. To which group of vertebrates do frogs belong? _____
5. An example of a mammal is _____.

HOMEWORK

Make a scrapbook of at least three animals from each group of vertebrates.



**MINISTRY OF EDUCATION
PRIMARY ENGAGEMENT PROGRAMME
GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 2 WEEK 5
TOPIC: FISHES**

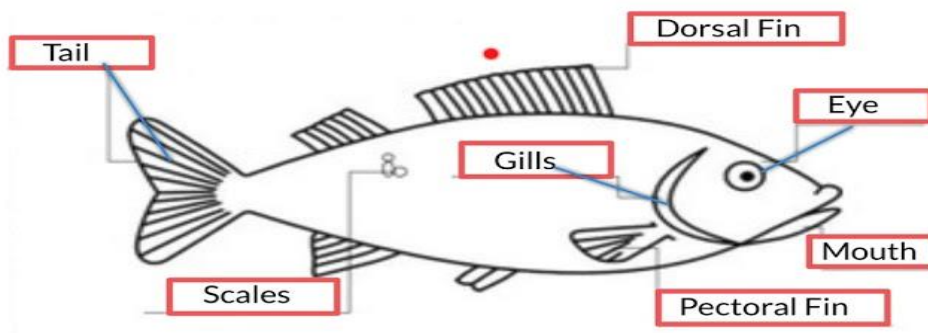
Name: _____ Date _____

FACTS/TIPS

- Fish are the largest group of vertebrates.
- The shark, stingray and dogfish, have skeletons which are not made of bones but of cartilage.
- Fish are cold-blooded.
- Most fish lay eggs except for the guppy fish which give birth to live young.
- Fish use gills for breathing. They are found under the gill cover.
- Cartilage is a firm, bone-like structure that bends.

Parts of a Fish

I spy with my little eye the parts of a fish.



ON YOUR OWN

Provide answers for these questions.

1. What is the habitat for fishes?

2. The _____ fish gives birth to live young.

3. Three parts of a fish are _____, _____
and _____

4. Fish are the _____ group of vertebrates.

5. Explain in one sentence what you learnt about cartilage.

HOMEWORK

Get a fresh fish and examine its parts. Record what you have observed.



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SUBJECT: SCIENCE
LESSON REVIEW WEEK 5**

Name: _____ **Date** _____

Provide answers to the questions below.

1. The five groups of vertebrates are _____, _____,
_____, _____ and _____.

2. The _____ is the largest group of vertebrates.

3. To which group does the animal below belong?



4. An example of a mammal is _____.

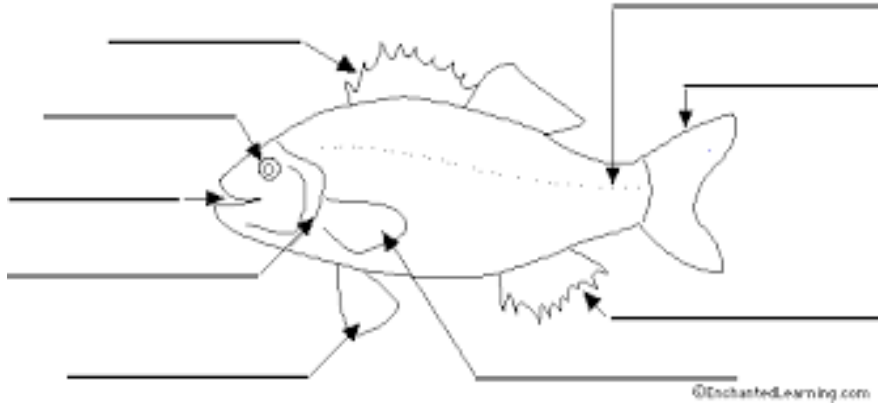
For questions 5-7 write T for true and F for false.

5. Fish can be found in both fresh and salt water. _____

6. The guppy fish does not give birth to live young. _____

7. Cartilage is a bonelike structure that bends. _____

Use the picture below to answer questions 8-10.



8. Put **X** on the pelvic fin.

9. Write in the name of the part of the fish that is used for:

- a. breathing
- b. swimming

10. Draw a circle on the fish to show where the gill cover is located.

For questions 11-14 match the animal to the group they belong to.

	Animal	Group
11.	dog	fish
12.	crocodile	amphibian
13	bangamary	reptile
14	frog	bird
		mammal



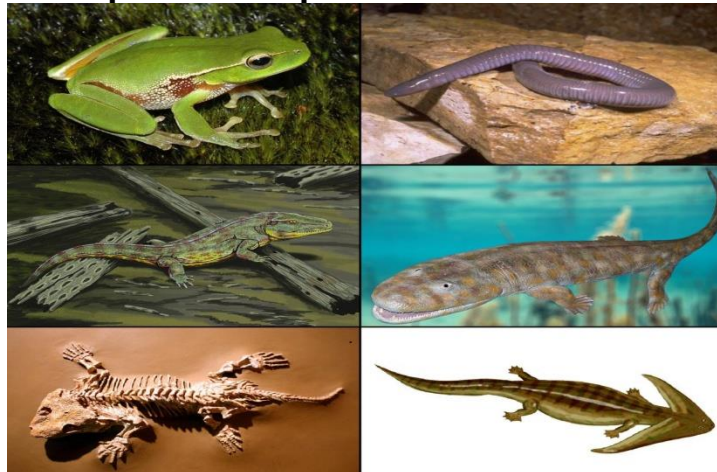
**MINISTRY OF EDUCATION
PRIMARY ENGAGEMENT PROGRAMME
GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 1: WEEK 6
TOPIC: AMPHIBIANS**

Name: _____ Date: _____

FACTS/TIPS

- Amphibians spend part of their life in water and part on land.
- Amphibians are cold-blooded vertebrates.
- Frogs, toads, salamanders and newts are all examples of amphibians.
- The very young amphibians are like fish.
- They live in water and breathe by gills.
- Most adult amphibians live on land and breathe by lungs.
- The bullfrog and some salamanders live most of their lives in water.

Examples of Amphibians



ON YOUR OWN

Provide answers to these questions.

1. Animals that live part of their lives in water and part on land are called_____.
2. Adult amphibians breathe by _____ .
3. Three examples of amphibians are _____,
_____, _____.
4. Very young amphibians live in _____, and breathe by _____.

HOMEWORK

Draw an amphibian and state two features of the amphibian that you have chosen.



**MINISTRY OF EDUCATION
PRIMARY ENGAGEMENT PROGRAMME
GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 2: WEEK 6
TOPIC: REPTILES**

Name: _____ Date: _____

FACTS/TIPS

- Reptiles have dry, scaly skin and lay eggs.
- They are cold-blooded.
- Reptiles breathe by lungs.
- Crocodiles and snakes are examples of reptiles.
- Reptiles may be without limbs.

Examples of Reptiles

lizard



turtle



snake



ON YOUR OWN

Provide answers to these questions.

1. Reptiles breathe by _____.

2. State the kind of skin reptiles have.

3. How do reptiles get young ones?

4. Two examples of reptiles are _____ and _____.

5. Give the name of a reptile that uses its shell as a protection.

HOMEWORK

Collect/draw pictures of reptiles. Keep them in a scrapbook. Remember to write the names of the animals.



**MINISTRY OF EDUCATION
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LESSON REVIEW WEEK 6**

Name: _____ Date: _____

Provide answers for all of the questions below.

1. Where do young amphibians spend most of their time?

2. Which group of vertebrates has animals with or without limbs?_____.

3. Baby amphibians breathe by _____.

4. State the name of the vertebrate that has dry scaly skin.

5. Name the group to which the animal below belongs.



For questions 6-9 write T for true and F for false.

6. Amphibians spend all of their life in water._____

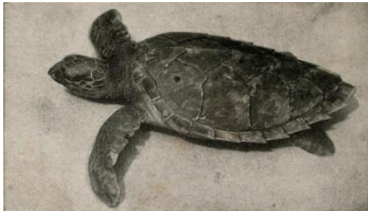
7. Reptiles are cold-blooded animals._____

8. Snake is not an amphibian._____

9. Amphibians breathe by lungs alone._____

10. The _____ is an amphibian that spends most of its life in water.

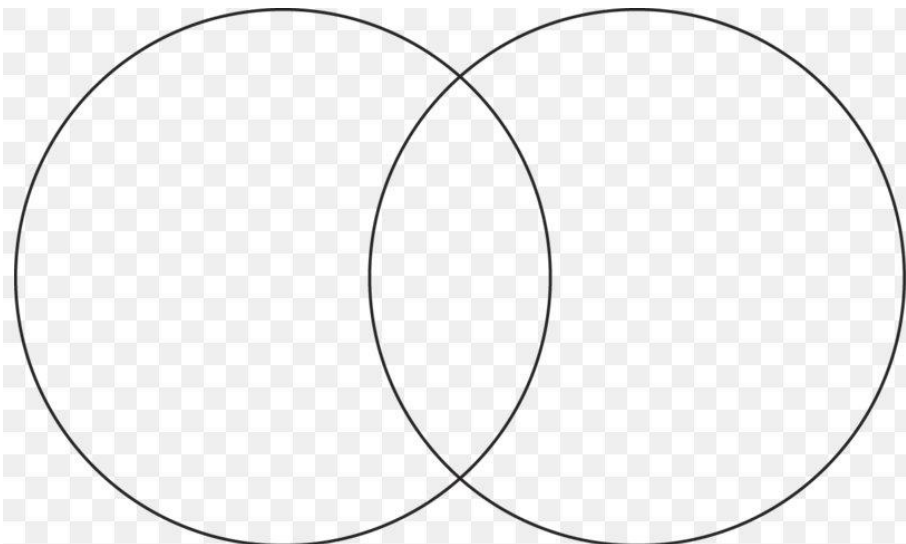
For questions 11 and 12, write the group name to which the animals belong.





Use the Venn Diagram to compare and contrast Reptiles and Amphibians.

Write at least two differences and one similarity.





**MINISTRY OF EDUCATION
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GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 1: WEEK 7
TOPIC: BIRDS**

Name: _____ **Date:** _____

FACTS/TIPS:

- Vertebrates with body coverings of feathers are called birds.
- Birds are generally small and have wings which help them to fly.
- Birds are warm blooded animals.
- Birds are egg layers.
- Birds breathe by lungs.
- The beak of a bird tells us about its eating habits.
- Parent birds feed and protect their young.



Parrot

ON YOUR OWN

Provide answers to these questions.

1. Birds are covered with _____.
2. Name one part of a bird that tells us of its eating habit?

3. How do birds breathe? _____
4. Why do birds have wings? _____

For question 5, write T for true or F for false.

5. Birds do not lay eggs. _____

HOMEWORK

Draw or get pictures of three birds that you admire. State where they live and what they feed on. Write the name of the each bird.



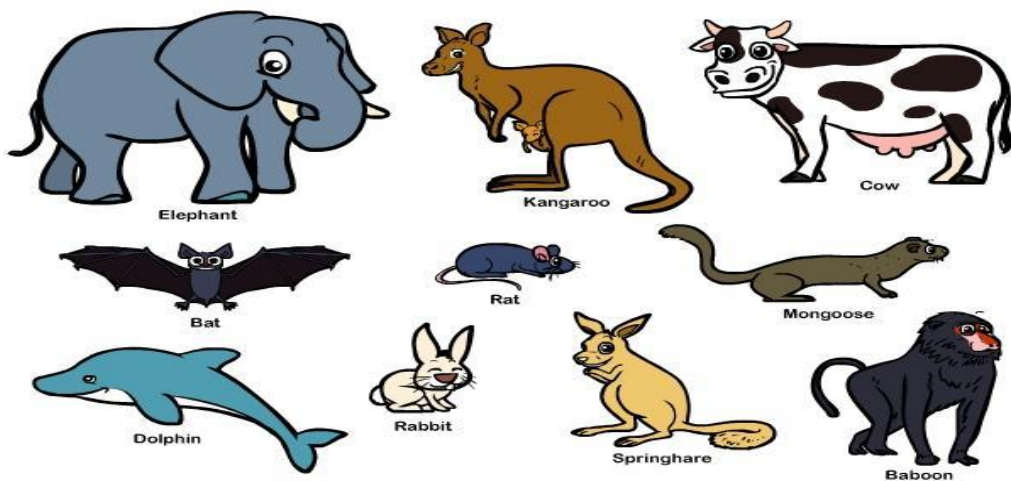
**MINISTRY OF EDUCATION
PRIMARY ENGAGEMENT PROGRAMME
GRADE FOUR WORKSHEET
SUBJECT: SCIENCE
LESSON 2: WEEK 7
TOPIC: MAMMALS**

Name: _____ Date: _____

FACTS/TIPS:

- Mammals are covered with hair or fur to keep them warm.
- Mammals are warm-blooded.
- They give birth to their young.
- The duck-billed platypus and the spiny anteater lay eggs.
- Bats are the only mammals that can fly.
- Female mammals breastfeed their babies.
- Humans are the most intelligent mammals.

Examples of Mammals



ON YOUR OWN:

Provide answers for these questions.

1. Mammals breathe by _____.
2. The coverings of mammals are _____ or _____.
3. Two mammals that lay eggs are _____ and _____.
4. Write the name of the only mammal that can fly.

5. The most intelligent mammals are _____.

HOMEWORK:

Create a scrapbook with names of at least 10 mammals. Write their body covering.



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SUBJECT: SCIENCE
LESSON REVIEW: WEEK 7**

Name: _____ Date: _____

Provide answers for all the questions.

1. Vertebrates that are covered with feathers are called _____.

2. How do animals that are covered with feathers breathe?

For questions 3-5, circle the correct answer.

3. Birds _____ cold-blooded. (are, are not)

4. Female mammals _____ their babies.
(breastfeed, do not breastfeed)

5. Bats _____ mammals. (are, are not)

6. Look at the animal below.



a. Name the covering of the animal. _____

b. How does the animal breathe? _____

7. The _____ is a mammal that lays eggs.

8. One mammal that is covered with hair is _____.

9. State the group of vertebrates to which the animal below belongs.



For questions 10-13, write T for true and F for false.

10. Humans are not the most intelligent mammals. _____

11. Birds breathe by lungs. _____

12. An example of a mammal is a cow. _____

13. Birds are warm-blooded and mammals are cold-blooded. _____

14. Why are mammals covered with fur or hair?

15. Draw an animal that lays eggs and is covered with feathers.



**MINISTRY OF EDUCATION
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GRADE FOUR
SUBJECT: SCIENCE
LESSON 1 WEEK 8
TOPIC: GROWTH OF PLANTS**

NAME: _____ **DATE:** _____

FACTS/TIPS

- All plants need water.
- Water makes up about 95% of some plants.
- Plants also need sunlight to make their own food.
- Plants will not grow well if they do not have enough nutrients.
- A plant will keep growing until it dies.
- Plants live on land, in water and even on other plants.
- Plant growth often begins with a seed.
- Plants breathe in carbon-dioxide and breathe out oxygen.

Growth of Plants



ON YOUR OWN

Provide answers for these questions.

1. Two things that plants need to grow are _____ and _____.
2. What will happen to plants if they do not have enough nutrients?

3. Where does plant growth begin?

4. Two places where plants live are _____ and _____.
5. Plants breathe in _____.

HOMEWORK

Collect a small plant from your environment. Paste it in your Science book. Label the leaf, root and stem. Draw and label the parts of a plant.



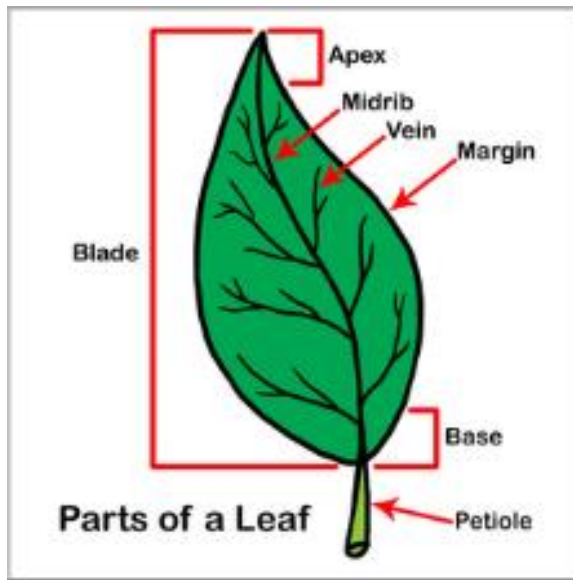
**MINISTRY OF EDUCATION
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LESSON 2: WEEK 8
TOPIC: PARTS OF A LEAF**

Name: _____ **Date:** _____

FACTS/TIPS

- Leaves may differ in size, shape and colour.
- The main parts of a leaf are lamina, apex, mid-rib, petiole, vein and margin.
- Another name for tip is **apex**.
- Margin can be found along the edge of the leaf.
- Mid-rib is the central vein of the leaf.
- Veins are a network of branches arising from the mid-rib.
- Lamina or leaf blade is the broad expanded part of the leaf.
- Petiole is the stalk of the leaf.

Parts of a leaf



ON YOUR OWN:

Provide answers to these questions.

1. Another name for apex is _____.
2. Three main parts of a leaf are _____,
_____ and _____.
3. Where on a leaf can the margin be found?

4. The broad expanded part of the leaf is called _____.
5. State the name of the central vein of the leaf.

HOMEWORK

Collect three different leaves from the environment and shade them. Label the parts of each leaf correctly.



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LESSON REVIEW WEEK 8**

Name: _____ Date: _____

Provide answers for the following questions.

1. State one thing that plants must have in order to grow.

2. Plants breathe in _____ and breathe out _____.

3. What is necessary in order for plants to make their own food?

For questions 4-7 write T for true and F for false.

4. Some plants are made up of 95% water. _____

5. Plants will grow well if they do not have enough nutrients. _____

6. Petiole is the stalk of a leaf. _____

7. The central vein of the leaf is the blade. _____

Write the answers on the lines provided.

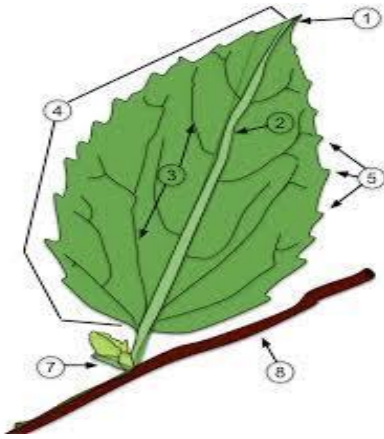
8. When will plants stop growing?

9. Another name for apex is _____.

10. The broad expanded part of the leaf is called _____.

11. State three ways leaves may be different from each other.

Use the picture below to answer questions 12-15.



12. Write the name of the part numbered 4. _____

13. The central vein of the leaf is represented by the number _____.

14. Branches that spring from the mid-rib are called _____.

15. The apex or tip is represented by the number _____.