

# ***District Public School and College Depalpur***

## **Subject: Science**

### **E-Learning Project**

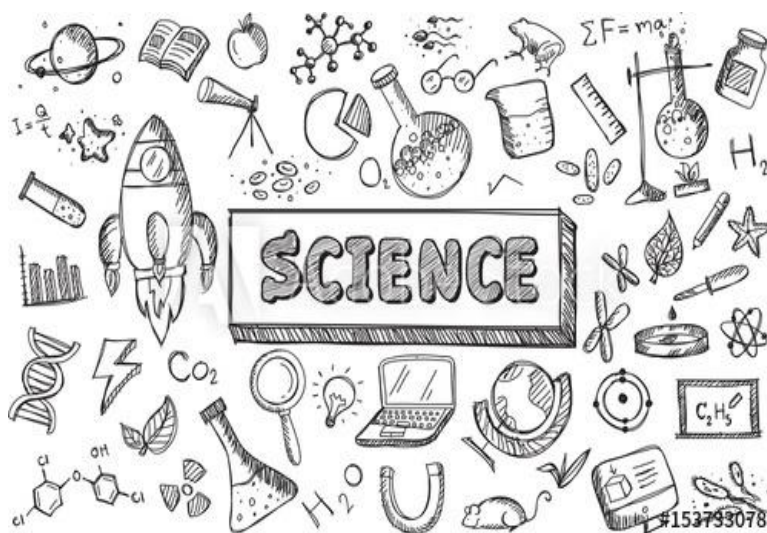
**Summer Task with Tutorial Links , Home Assignments,  
Work sheets and Activities**

**(Academic Session 2020-21)**

***Class: Five***

***Student's name:*** \_\_\_\_\_

***Father's Name :*** \_\_\_\_\_



**Date:06-07-2020**

**Day: Monday**

## **UNIT 1      “ THE HUMAN BODY”**

**Topic: “The Digestive System”**

**Book page15**

### **Objective:**

Students should be able to name the organs of the digestive system and describe the digestive process .

First understand this lecture from the tutor web link given below.

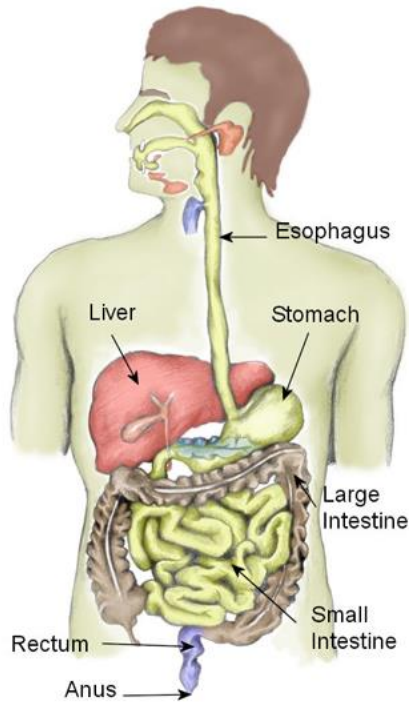
### **Tutor web Link:**

<https://youtu.be/sqZ9m4TivBE>

### **Understanding:**

- The digestive system involves taking in food ,extracting the goodness from that ,and getting rid of the waste.
- The digestive system is like a long tube known as digestive tract. In an adult it is 8 metres long.
- Let's see how the process works.
  1. It all starts in mouth , in mouth the saliva breaks down the food and makes it easier to bite and swallow.
  2. When food is swallowed it travels down to esophagus to the stomach. The adult esophagus is about 25cm long.
  3. In stomach food mixed with gastric juices that are very acidic.
  4. The food then passes through the small intestine. It is 5 metres long. The nourishing parts of food are removed in the small intestine.
  5. The undigested food passes into the large intestine. Here, any last bits of goodness are removed.
  6. The rest is waste and travels to anus where it removes from the body.

Parent's sign : \_\_\_\_\_



**The digestive system**

**Date:07-07-2020**

**Day : Tuesday**

**Assignment/Homework**

**Topic: "The Digestive System"**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/juGriCnZb50>

**Question # 1**

**Encircle the best option**

- The adult esophagus is about \_\_\_\_\_ cm long.  
(A) 10            (B) 15            (C) 20            (D) 25
- The food travels down the \_\_\_\_\_ when swallowed.  
(A) stomach            (B) esophagus    (C) small intestine    (D) large intestine

Parent's sign : \_\_\_\_\_

## Question #2

## Fill in the blanks

- The digestive tract is about \_\_\_\_\_ metres long.
- Digestion starts in \_\_\_\_\_.
- The undigested food passes into the \_\_\_\_\_ intestine.

## Question #3

## Write short answers of the questions on the lines below

- **What is the function of the saliva?**

Answer: The saliva breaks down food and makes it easier to bite and swallow.

Answer: \_\_\_\_\_  
\_\_\_\_\_

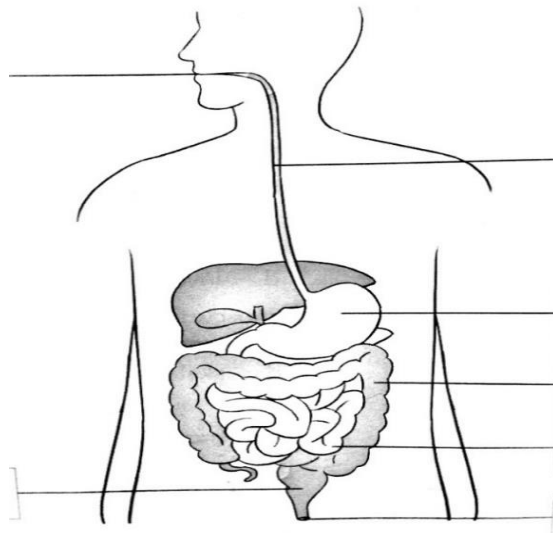
- **How long is small intestine?**

Answer: The small intestine is about 5 metres long.

Answer: \_\_\_\_\_

## Activity:

## Label the diagram of the digestive system.



Parent's sign : \_\_\_\_\_

**Date: 08-07-2020**

**Day :Wednesday**

**Topic: “Digestive System”**

**Questions/answers**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/mRf5KHwjXMM>

- **What is the function of the digestive system?**

Answer: The function of the digestive system is:

- a) Take in food
- b) Extract the nutrients from it
- c) And get rid of the waste.

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- **What is meant by the digestive tract? How long is it?**

Answer : The digestive system is like a long tube known as the digestive tract . It is about 8 meters long in an adult.

Answer: \_\_\_\_\_  
\_\_\_\_\_

- **How long does your food stay in your small intestine?**

Answer : 3 hours .

Answer: \_\_\_\_\_

Parent's sign : \_\_\_\_\_

- **What are gastric juices and what do they do?**

Answer: Gastric juices are found in the stomach. These are very acidic and break down the food into a paste

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date:09-07-2020**

**Day: Thursday**

**Topic: "Urinary System"**

**Book page16**

**Objective:**

Students should be able to explain how the urinary system works.

First understand this lecture from the tutor web link given below.

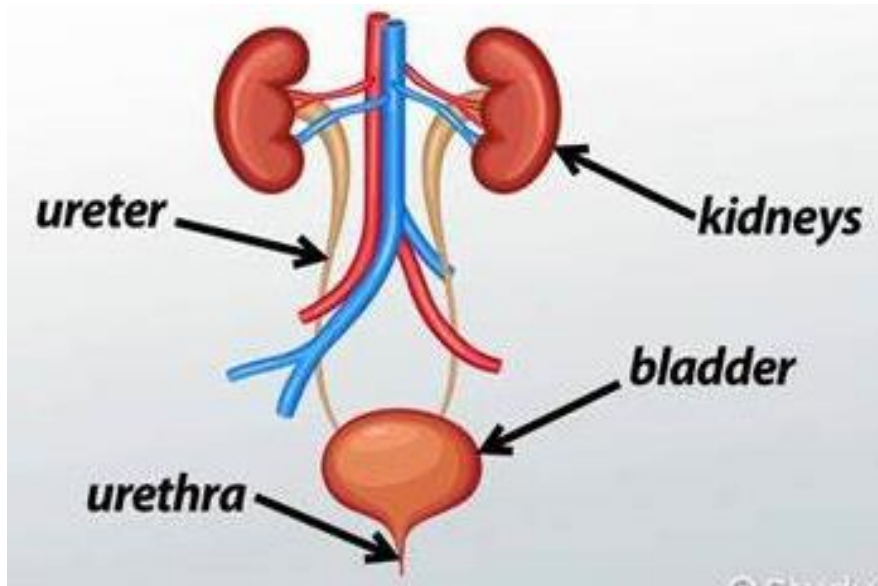
**Tutor web Link:**

[https://youtu.be/807\\_XVCIPYs](https://youtu.be/807_XVCIPYs)

**Understanding:**

- The urinary system makes sure that you have the right amount of water in your body ,and removes waste materials in liquid form.
- Kidney ,ureter, bladder and urethra are the parts of the urinary system.
- Your body has two kidneys and they act as filters.
- As the blood travels around your body it picks up toxins that are bad for your body.
- The job of the kidneys is to remove the toxins as the blood passes through them. The toxins and other waste are turned into urine.
- Your body has two ureters. The ureters are tubes that transport the urine from the kidneys to the bladder.
- Your bladder stores urine until you need to go to toilet.

Parent's sign : \_\_\_\_\_



## Urinary system

Date:10-07-2020

Day : Friday

### Assignment/ Homework

Topic: "Urinary System"

Objective :

To enable the students to answer the given questions.

Tutor web link:

<https://youtu.be/Mb11ZW2GkHY>

Question #1

Encircle the best option

- \_\_\_\_\_ stores urine.  
(A) kidney      (B) urethra      (C) bladder      (D) ureter

Parent's sign : \_\_\_\_\_

- Your body has \_\_\_\_\_ ureters.  
(A) 1            (B) 2            (C) 3    (D) 4

**Question# 2**

**Fill in the blanks**

- The kidneys act as \_\_\_\_\_ in the urinary system.
- Ureters are tubes that transport urine from the kidneys to the\_\_\_\_\_.

**Question #3**  
**below**

**Write short answers of the questions on the lines**

- **What is the function of the kidney?**

Answer: The kidneys act as filters.

Answer: \_\_\_\_\_

- **What is the function of urinary system?**

Answer: The urinary system makes sure that you have the right amount of water in your body, and removes waste materials in liquid form .

Answer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Activity:**

**Which system is which?**

**Match each body system to its definition.**

Body systems	Definitions	Definitions

Parent's sign : \_\_\_\_\_



<b>Circulatory system</b>	Enable the body to move.	
<b>Digestive system</b>	Extract the goodness from food and get rid of waste	
<b>Muscular system</b>	Makes sure there is right amount of water in your body and removes waste materials	
<b>Nervous system</b>	Responds to information and tells the various parts of the body how to react	
<b>Respiratory system</b>	Send oxygen and nutrients around the body	
<b>Skeletal system</b>	Take in oxygen that we need to survive and expel carbon dioxide	
<b>Urinary system</b>	Supports your body and protects your internal organs from damage	

**Date: 11-07-2020**

**Day : Saturday**

**UNIT 1 “THE HUMAN BODY”**

**Topic: Assessment**

**Total marks :20**

**Objective :**

To evaluate the performance of students.

**Question #1**

**Encircle the best option**

**/3**

Parent’s sign : \_\_\_\_\_

- The blood travels in tubes called:  
(A) septum (B) vein (C) blood vessels (D) none of these
- The main organ in the respiratory system is the  
(A) brain (B) lung (C) heart (D) alveoli
- The smooth muscles are :  
(A). involuntary (B) voluntary (C) volatile (D) invalid

**Question #2**

**Fill in the blanks**

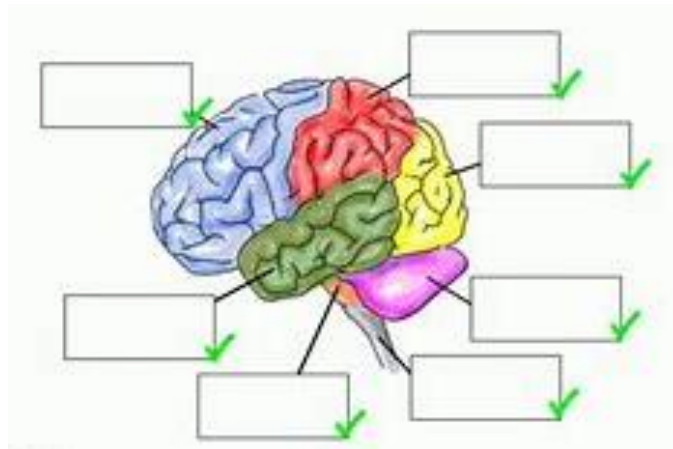
**/3**

- The peripheral nervous system is all the \_\_\_\_\_ throughout the body.
- Skeletal muscles are attached to your bones by fibres called \_\_\_\_\_.
- The point where two bones meet is called \_\_\_\_\_.

**Question # 3**

**Label the diagram of “ The brain”.**

**/4**



**Question # 4**

**Write the short answer.**

**/4**

- Which bone protect the brain?

Answer: \_\_\_\_\_

- What is septum?

Answer: \_\_\_\_\_

Parent's sign : \_\_\_\_\_

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**Question # 5**

**Long questions**

- **Why does your heart beat faster than you exercise? /6**

Answer: \_\_\_\_\_

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- **What are a: voluntary muscles b: involuntary muscles. Explain with examples.**

Answer: \_\_\_\_\_

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Parent's sign : \_\_\_\_\_

## CHAPTER 2

## THE ANIMAL WORLD

### Table of contents and objectives :

No	Contents	Objectives
1	Why classification?	To name the main groups into which the animal kingdom is divided.
2	Animal cell	To describe the composition of an animal cell.
3	Mammals	To list the main features of mammals
4	Reptiles and birds	To list the main features of reptiles and birds
5	Fishes	To list the main features of fishes.
6	Amphibians and arthropods	To list the main features of amphibians and arthropods
7	Other invertebrates	To understand about other invertebrates
8	Assignments	To answer the question To enhance student learning ability
9	Assessment	To evaluate the performance of students

Parent's sign : \_\_\_\_\_

**Date:13-07-2020**

**Day: Monday**

## **UNIT 2 “THE ANIMAL WORLD”**

**Topic: “Why classification?”**

**Book page 18-20**

### **Objective:**

Students should be able to name the main groups into which the animal kingdom is divided.

First understand this lecture from the tutor web link given below.

### **Tutor web Link**

<https://www.youtube.com/watch?v=IXODsApoC7w>

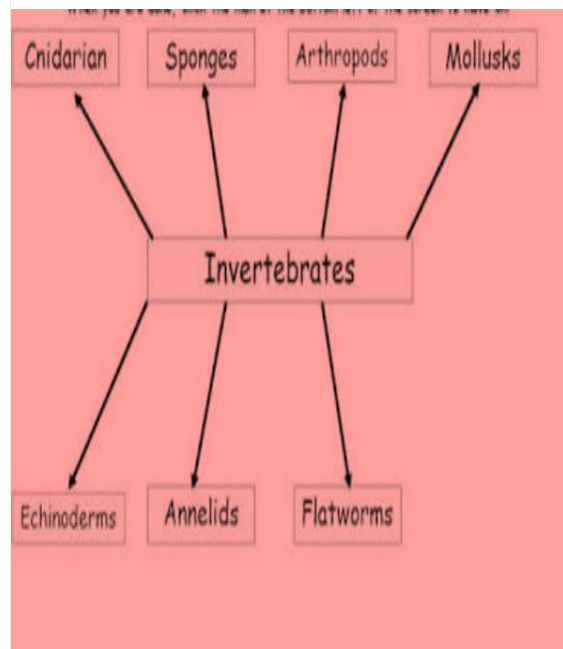
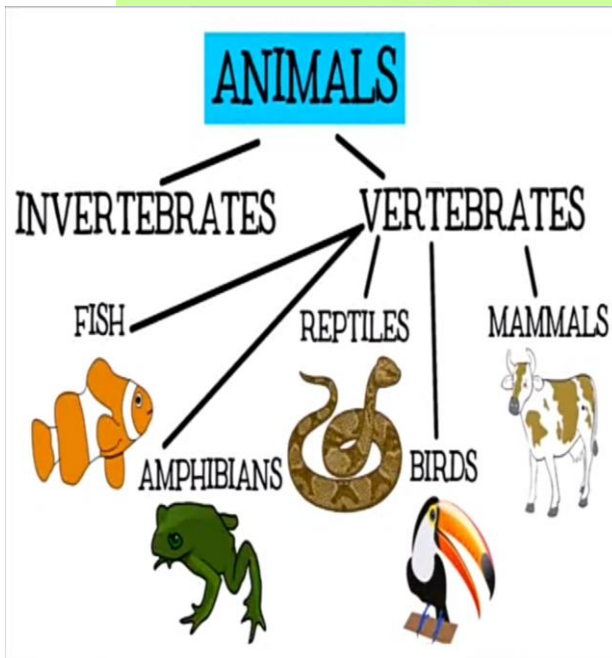
### **Understanding:**

- Categorizing something or someone into a certain group or system based on certain characteristics is called classification.
- **Example:** Shops ( Textiles shops & Bookshops)



- If shops are not stored in this way shops would have to stock wide range of items that have little in common that means you would not know which shop to go to.
- Animals are divided into two groups according to their structural features.
  1. Vertebrates ( have backbone or spinal column )
  2. Invertebrates (do not have backbone or spinal column )

Parent's sign : \_\_\_\_\_



- In dividing animals into classes ,scientists look at many physical features included:
- Warm-blooded or cold blooded
- Give birth to their young
- Live on land or water
- Have feather fur/hair or scales.

Parent's sign : \_\_\_\_\_

**Date: 14-07-2020**

**Day: Tuesday**

**Assignment/Homework**

**Topic: "Why classification ?"**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/cCoOGLsdpA>

**Question #1**

**Encircle the best option**

- Vertebrates are divided into \_\_\_\_\_ classes  
(A) 2            (B) 3    (C) 5            (D) 6
- Invertebrates are divided into \_\_\_\_\_ classes  
(A) 3            (B) 4            (C) 6    (D) 5

**Question #2**

**Fill in the blanks**

- Vertebrates are animals that have a \_\_\_\_\_.
- \_\_\_\_\_ are animals that do not have spinal column.

**Question #3**

**Write answer of the question on the lines**

**below**

**Book page 19, 20**

- **How do you organize your shelves and drawers in your room?**

Answer: I keep my books according to their subjects on different shelves and items of same kind in one drawer.

Parent's sign : \_\_\_\_\_

Answer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- **Write down examples of:**

(a) **animals that are warm blooded:**

**Answer:**

Mammals: cow, goat

Birds: sparrow ,crow

Answer: \_\_\_\_\_

(b) **animals that are cold blooded**

Fish: starfish ,jellyfish

Reptiles: snake, crocodile

Answer: \_\_\_\_\_

(c) **animals that live on land**

Mammals: cow, goat

Answer: \_\_\_\_\_

(d) **animals that live in water**

Fish: jellyfish, starfish

Sponges

Answer: \_\_\_\_\_

(e) **animals that live on land and water**

Reptiles: snake, crocodile

Amphibians: frog, salamander

Answer: \_\_\_\_\_

(f) **animals that have feathers**

Birds: sparrow, crow

Answer: \_\_\_\_\_

(g) **animals that have fur or hair**

Mammals: cow, goat

Parent's sign : \_\_\_\_\_



Answer: \_\_\_\_\_

(h) **animals that have scales**

Reptiles: crocodile, alligator

Answer: \_\_\_\_\_

**Activity:** Write about Georges Cuvier.

**Tutor web link:** [https://youtu.be/6Fd\\_JSS0Eos](https://youtu.be/6Fd_JSS0Eos)

<https://www.youtube.com/watch?v=Cs4hM1hj6pl>



Georges Cuvier is one the most famous naturalists of all time, sometimes referred to as the "founding father of paleontology" Cuvier lived in Paris ,France more than 200 years back.

\_\_\_\_\_

\_\_\_\_\_

**Date:15-07-2020**

**Day :Wednesday**

**Topic : “Animal cell”**

**Book Page 21**

**Objective:**

Students should be able to describe the composition of an animal cell.

First understand this lecture from the tutor web link given below.

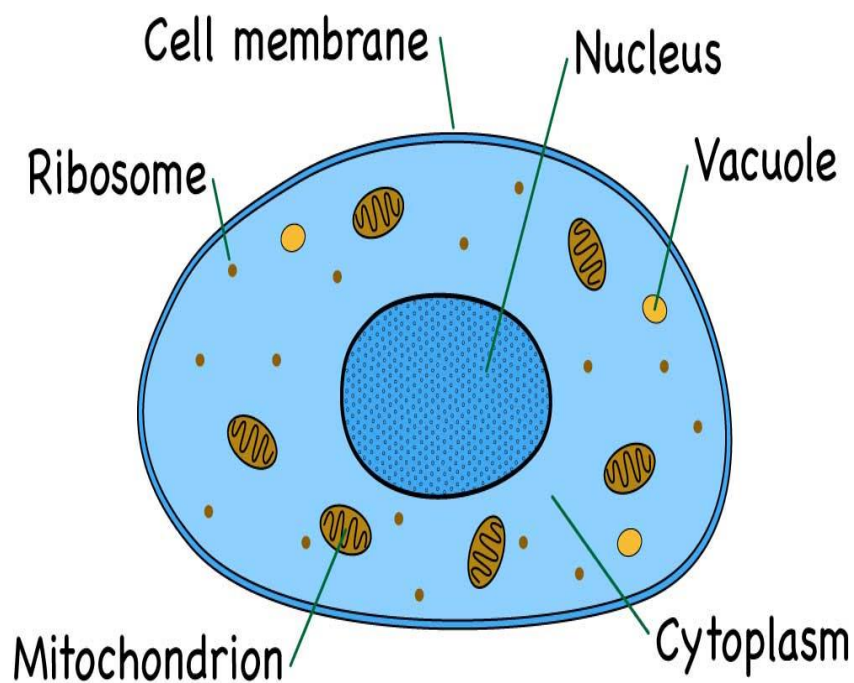
Parent's sign : \_\_\_\_\_

**Tutor web Link:**

<https://youtu.be/9mTi9BK6Um8>

**Understanding:**

- All living things are made up of the cells.
- Cells hold all the information necessary to keep an animal alive.
- Each type of cells performs a different function.
- Examples: Nerve cells ,Blood cells
- Nucleus ,cytoplasm , cell membrane and vacuole are the parts of an animal cell.
- The nucleus is the control centre of the cell.
- The cytoplasm helps to move the materials.
- The vacuole is a space in the cytoplasm containing air, liquid or food.
- The cell membrane act as a barrier to the world outside the cell.
- The smaller parts within a cell are called organelles.



Parent's sign : \_\_\_\_\_

Date:16-07-2020

Day : Thursday

### Assignment/Homework

Topic: "Animal cell"

Objective :

To enable the students to answer the given questions.

Tutor web link:

<https://youtu.be/AAfiqLCqaHE>

Question #1

Encircle the best option

- The control centre of the cell is  
(A) cytoplasm            (B) nucleus            (C) vacuole            (D) cell membrane
- The vacuole is the space in the cytoplasm containing :  
(A) Air            (B) liquid            (C) food            (D) All of these

Question #2

Fill in the blanks

- \_\_\_\_\_ is the control centre of the cell.
- All living things are made up of \_\_\_\_\_.

Question #3

Write answer of the question

- What is the function of the cell?

Answer: Cell holds all the information necessary to keep an organism alive.

Answer: \_\_\_\_\_

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- Write few lines about Atta-ur-Rahman.

Tutor web link :

<https://youtu.be/by6KVRPggJE>

Parent's sign : \_\_\_\_\_

**Answer:** Atta-ur-Rahman, (Urdu: عطاالرحمان; born 22 September 1942) is a Pakistani scientist specializing in organic chemistry who served as the chairman of the Higher Education Commission of Pakistan between October 2002 until September 2008 and the Minister for Science and Technology.



Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Activity:**

**Work book page 11**

**Draw an animal cell and label the following parts:**

**Cell membrane ,cytoplasm , nucleus ,vacuole**

Parent's sign : \_\_\_\_\_

**Date:17-07-2020**

**Day: Friday**

**Topic: "Mammals"**

**Book page 22-24**

**Objective:**

Students should be able to list the main features of mammals.

First understand this lecture from the tutor web link given below.

**Tutor web Link:**




<https://youtu.be/RAxcoeFEI-Q>

**Understanding:**

. **Common characteristics:**

- ❖ They are warm-blooded.
- ❖ The females are able to feed their young with milk from their mammary gland.
- ❖ They have hair or fur.
- ❖ Examples:
  - an elephant
  - Whale , dog

**Groups of mammals:**

Placenta mammals	Marsupials mammals	Monotremes
They give birth to young who are well developed.	They give birth to young who are partially developed.	They lay eggs.
Examples: Humans whales and dogs	Examples: Kangaroos Koalas	Examples: Australian platypus
		

Parent's sign : \_\_\_\_\_



**Date:18-07-2020**

**Day: Saturday**

**Assignment/Homework**

**Topic: "Mammals"**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/F5dZGw-rpV8>

**Question #1**

**Encircle the best option**

- Mammals are divided into \_\_\_\_\_ groups.  
(A) 2            (B) 3    (C) 4            (D) 5
- Placental mammals are:  
(A) humans            (B) whales    (C) dogs            (D) all of these

**Question #2**

**Fill in the blanks**

- Mammals are \_\_\_\_\_ blooded.
- Marsupials give birth to young that are only \_\_\_\_\_ developed.

Parent's sign : \_\_\_\_\_

**Question# 3**  
**lines below**

**Write short answers of the questions on the**

- **Which mammal is world's biggest land mammal?**

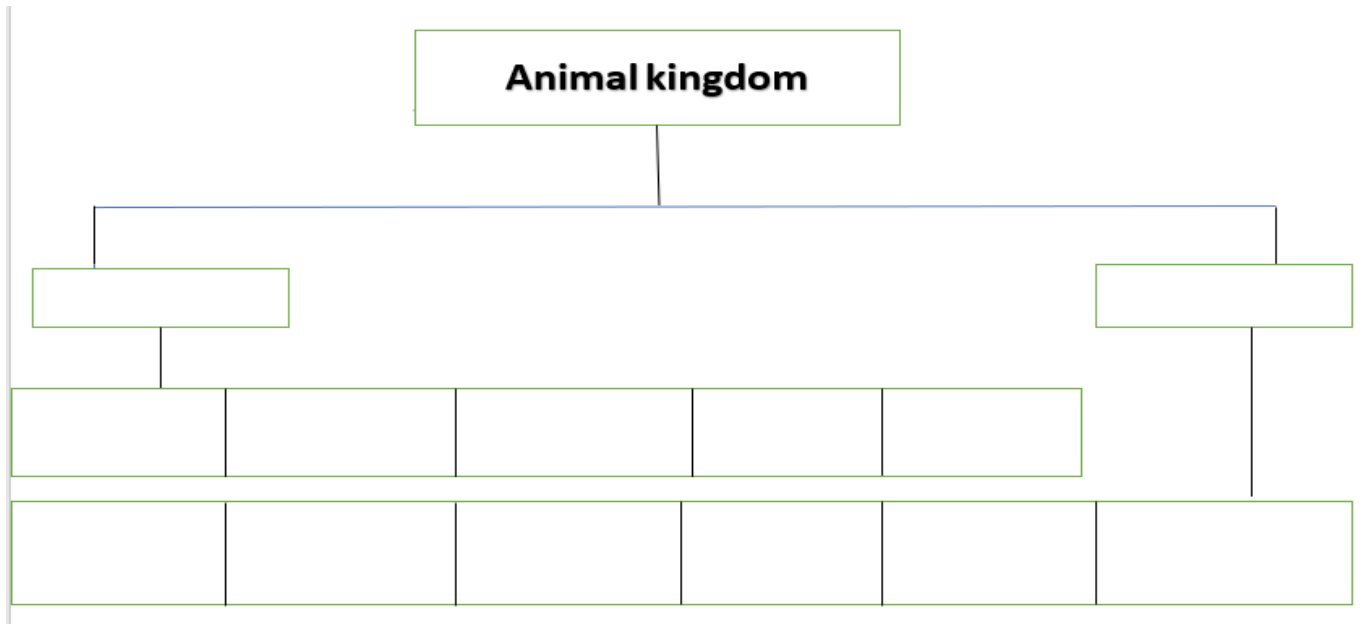
Answer: The elephant is the world's biggest land mammal.

Answer: \_\_\_\_\_  
\_\_\_\_\_

**Activity:**

**Work book page 15**

**Complete this chart of the animal kingdom.**



• **SIUT**

The Sindh institute of urology and transplantation is a dialysis and kidney transplant centre located in Pakistan .SIUT was founded by Dr. Adibul Hasan Rizvi and it is Pakistan's largest kidney disease centre as well as Pakistan's largest public sector health organization .

Parent's sign : \_\_\_\_\_

- What is the purpose of the SIUT centre ?

Answer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: 20-07-2020

Day: Monday

Topic: "Reptiles and birds "

Book page 25-26

Objective:

Students should be able to list the main features of reptiles and birds.

First understand this lecture from the tutor web link given below.

Tutor web Link:

<https://youtu.be/XEklGrYyiU0>

Understanding:

## REPTILES:

### Common characteristics:

- They are cold-blooded
- They lay eggs with leathery waterproof shells
- They have four legs
- They have scales
- They breathe through lungs
- They have external ear opening

Examples:

Crocodile, alligators , lizards ,snakes , and turtles.



Parent's sign : \_\_\_\_\_

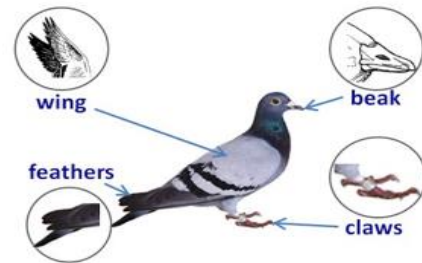




### Common characteristics

- Birds are warm blooded
- They lay eggs with hard shells
- Have feathers and wings
- Have scales on their legs and feet
- Have beak but no teeth
- Have a furcula

Flightless birds: ostrich, emus , kiwi  
etc



Date: 21-07-2020

Day: Tuesday

### Assignment/Homework

Topic: "Reptiles and birds "

Objective :

To enable the students to answer the given questions.

Tutor web link:

<https://youtu.be/P5WEAU5iqBc>

Question #1

Encircle the best option

- Snakes and turtles are \_\_\_\_\_.  
(A) mammals      (B) reptiles      (C) birds      (D) amphibian
- Wishbone or furcula is present in:  
(A) mammals      (B) birds      (C) reptiles      (D) amphibians

Question #2

Fill in the blanks

Parent's sign : \_\_\_\_\_

- Georges Cuvier was a \_\_\_\_\_ naturalist.
- The \_\_\_\_\_ is a flightless bird.
- Dinosaurs were \_\_\_\_\_ and they were the dominant vertebrate for more than \_\_\_\_\_ million years.
- Birds have evolved from \_\_\_\_\_.

**Question # 3**  
**given below**

**write the answers of the questions on the lines**  
**Book page 28**

- **Write down some of the characteristic features of a bird?**

**Answer:**

- a) Birds are warm blooded
- b) They lay eggs with hard shells
- c) Have feathers and wings
- d) Have scales on their legs and feet
- e) Have beak but no teeth
- f) Have a furcula

Answer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Activity:**

**Work book page 14**

**Use the clues below to find names of animals in this wordsearch.**

A marsupial that hops

A mammal that flies

Parent's sign : \_\_\_\_\_

A reptile that does not have legs

A very large mammal that lives in the sea

A bird that can fly backwards

An amphibian that can regrow its tail and limbs

A worm that lives in soil

A reptile which hides in its shell for protection

A	R	T	S	P	I	D	B	R	A	T	I
S	K	D	S	A	F	C	R	A	B	Y	B
D	E	A	C	P	U	A	W	A	L	O	A
F	A	W	N	O	I	R	Y	O	I	P	T
G	R	H	O	G	L	D	T	I	T	S	P
T	T	A	B	E	A	O	E	A	M	N	E
U	H	L	K	K	X	R	N	R	G	A	X
R	W	H	A	L	E	S	O	E	P	K	R
T	O	T	K	X	L	P	F	O	L	E	T
L	R	R	J	A	D	M	W	A	M	I	S
E	M	S	A	L	A	M	A	D	E	R	A
H	U	M	M	I	N	G	B	I	R	D	I

**Date:22-072020**

**Day: Wednesday**

**Topic: "Fishes "**

**Book page 25-26**

**Objective:**

Students should be able to list the main features of fishes.

First understand this lecture from the tutor web link given below.

**Tutor web Link:**

Parent's sign : \_\_\_\_\_

<https://youtu.be/UpRbuOlaL6A>

**Understanding:**

**FISH:**



**Common characteristics:**

- Live in water
- Breathe through gills
- Most have scales
- Most lay eggs
- Most have fins to help them move through water

**Amazing Scientific fact:**

There is one type of fish that can swim upright\_\_\_\_\_ the seahorse.

**Date:23 -07-2020**

**Day: Thursday**

**Assignment/Homework**

**Topic: "Fishes"**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/2cfXaZomur0>

Parent's sign : \_\_\_\_\_

**Question #1**

**Encircle the best option**

- Fish get their oxygen from the \_\_\_\_\_.  
(A) air            (B) water            (C) both a & b            (D) none of these
- Fish live in  
(A) air    (B) land            (C) water            (D) none of these

**Question #2**

**Fill in the blanks**

- Fishes breathe through \_\_\_\_\_.
- Fishes are \_\_\_\_\_ blooded.

**Question # 3**

**write the answers of the questions on the lines given**

**below**

**Book page 28**

- **Write down three main differences between mammals and reptiles?**

**Answer:**

<b>Mammals</b>	<b>Reptiles</b>
Mammals are warm blooded	Reptiles are cold blooded
Mammals have hair or fur	Reptiles have scales
Mammals give birth to young	Reptiles lay egg with leathery water proof shells
<b>Mammals</b>	<b>Reptiles</b>

- **How do most fish breathe?**

Answer: Fish take in oxygen from water through their mouth and pass it over the gills where oxygen is extracted.

Parent's sign : \_\_\_\_\_

Answer: \_\_\_\_\_  
\_\_\_\_\_

Date: 24-07-2020

Day: Friday

Topic: "Amphibians and arthropods "

Book Page 28-29

Objective:

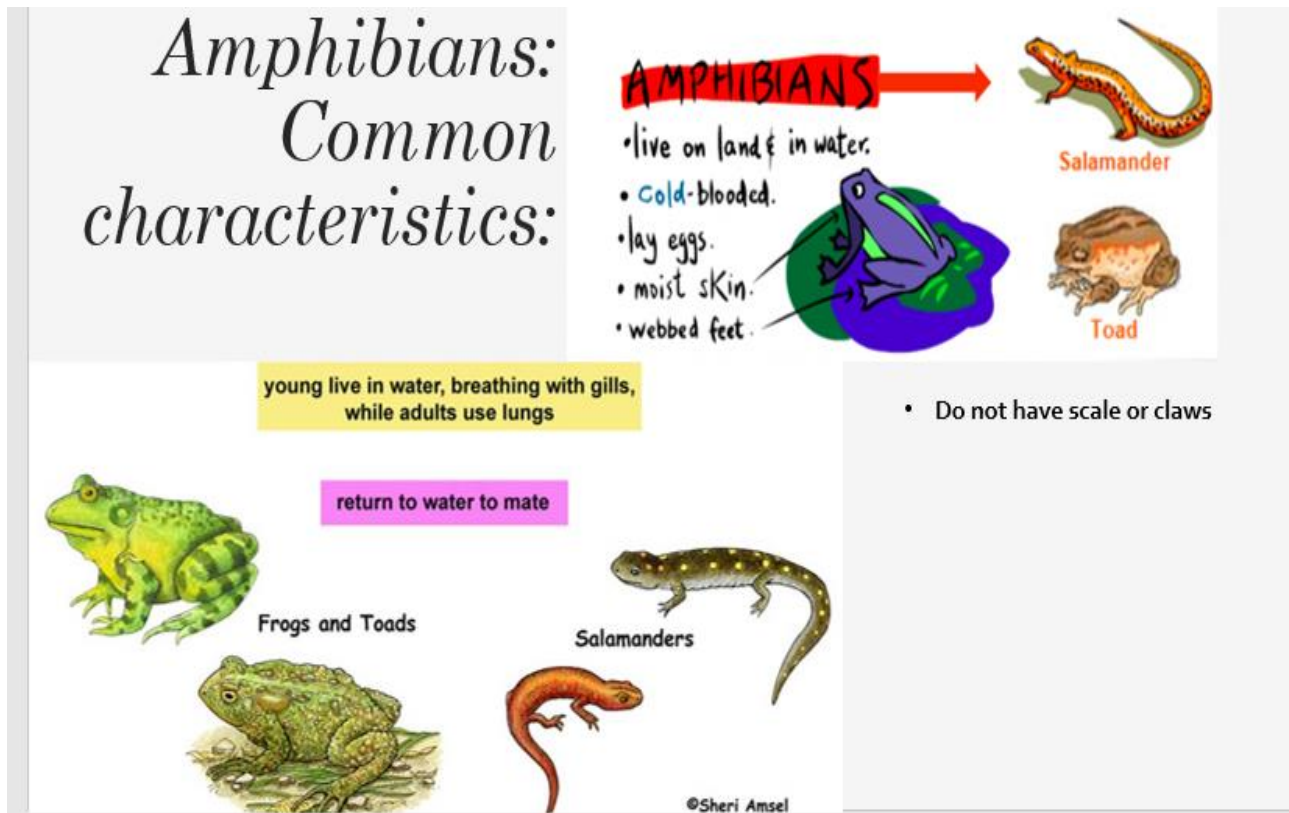
Students should be able to list the main features of amphibians and arthropods.

First understand this lecture from the tutor web link given below.

Tutor web Link:

<https://youtu.be/8VHikt6edRw>

Understanding:



*Amphibians:  
Common  
characteristics:*

**AMPHIBIANS** →

- live on land & in water.
- Cold-blooded.
- lay eggs.
- moist skin.
- webbed feet.

Salamander

Toad

young live in water, breathing with gills,  
while adults use lungs

return to water to mate

Frogs and Toads

Salamanders

• Do not have scale or claws

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Parent's sign : \_\_\_\_\_

# Arthropods:

- More than three quarters of all animal species are arthropods
- Found everywhere
- Major source of food

## Groups of arthropods:

- Insects
- Arachnids
- Crustaceans
- Centipedes
- millipedes



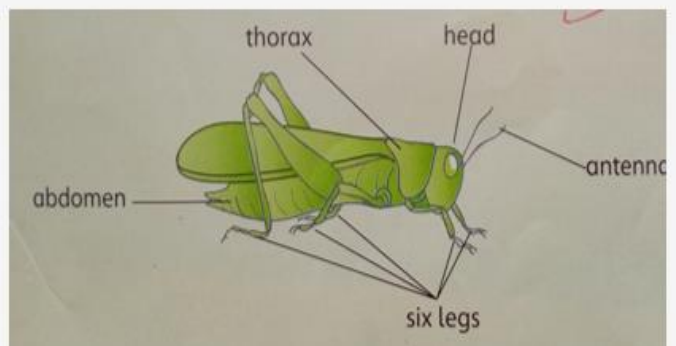
## Insects:

### Common characteristics:

- Body divided into three sections ( head, thorax ,abdomen)
- One pair of antennae
- Three pairs of legs on their thorax

### Examples:

beetles ,ants, ladybirds  
,grasshoppers



Parent's sign : \_\_\_\_\_

**Date: 25-07-2020**

**Day: Saturday**

**Assignment/Homework**

**Topic: “Amphibians and arthropods ”**

**Objective :** To enable the students to answer the given questions.

**Tutor web link:**

[https://youtu.be/3jl\\_c8ain00](https://youtu.be/3jl_c8ain00)

**Question #1**

**Encircle the best option**

- Some salamander and toads have tongues \_\_\_\_\_ times the length of their body.  
(A) ten            (B) twenty        (C) five            (D) none of these
- Beetles and ants are examples of \_\_\_\_\_.  
(A) arachnids    (B) centipedes    (C) spiders        (D) insects

**Question #2**

**Fill in the blanks**

- The world’s most deadly animal is an \_\_\_\_\_ .
- The \_\_\_\_\_ kills more humans than any other animal by the spreading d diseases.
- The \_\_\_\_\_ are a major source of food for most other animals.

**Question # 3**

**write the answers of the question**

**Book page 31**

- **Write three main physical characteristics of (a) an insect (b)an amphibian.**

**Answer:**

<b>An insect</b>	<b>An amphibian</b>
A body divided into three sections (head, thorax , abdomen)	They have thin skin
One pair of antennae	They are cold-blooded

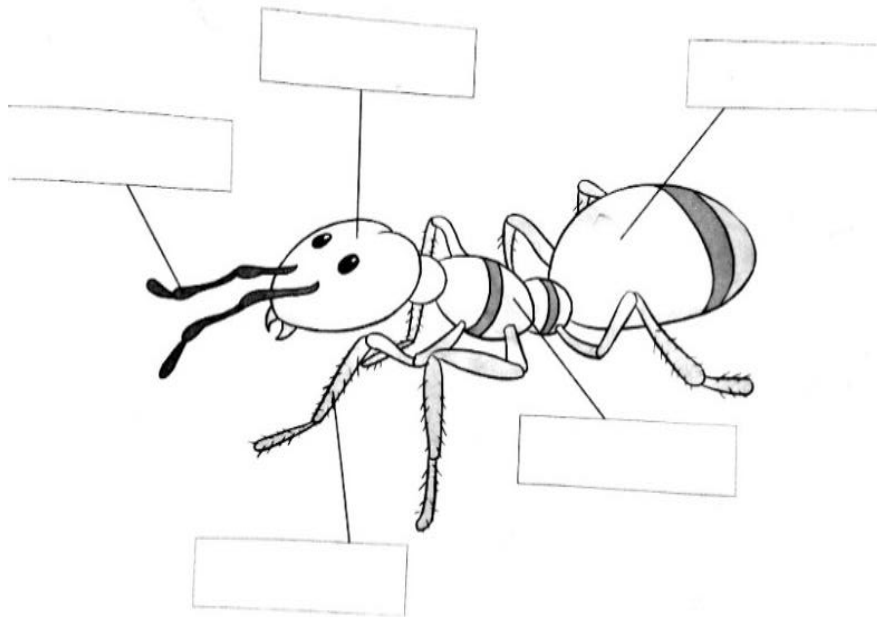
Parent’s sign : \_\_\_\_\_



Three pairs of legs on their thorax	They begin life in water and then live on land
<b>An insect</b>	<b>An amphibian</b>

**Activity:**

**label the different parts of the body on this diagram of an ant.**



Parent's sign : \_\_\_\_\_

**Date: 27-07-2020**

**Day: Monday**

**Topic: "Other invertebrates"**

**Book Page 31**

**Objective:**

Students should be able to understand about other invertebrates.

First understand this lecture from the tutor web link given below.

**Tutor web Link:**

<https://youtu.be/Yp2ki0Znaso>

**Understanding:**

## **MOLLUSCS**

- Some live on land
- Most live in water
- **Examples:**



### **Phylum Mollusca**

**Examples: Snails, slugs, squid, clams, octopus, and scallops**



Parent's sign : \_\_\_\_\_

## SPONGES

- Simplest form of animal
- Cannot move
- Do not have nervous system or any muscles
- Most live on sea floor



## worms

Worms are divided into three groups:



segmented worm



flatworm



roundworm

Parent's sign : \_\_\_\_\_

## Echinoderms

- Echinoderms live in water
- Examples:



## Cnidarians

- Live in water
- Have a bag like body which has tentacles coming off it
- Examples :



Parent's sign : \_\_\_\_\_

**Date: 28-07-2020**

**Day: Tuesday**

**Assignment/Homework**

**Topic: "Other invertebrates"**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

[https://youtu.be/n- AIVNluVc](https://youtu.be/n-AIVNluVc)

**Question #1**

**Encircle the best option**

- Worms are divided into \_\_\_\_\_ groups.  
(A) 2            (B) 3    (C) 4            (D) 5
- Echinoderms live in \_\_\_\_\_:  
(A) land            (B) air    (C) water            (D) all of these
- Starfish is an example of:  
(A) cnidarians            (B) fishes    (C) echinoderms            (D) sponges

**Question #2**

**Fill in the blanks**

- The most deadly jellyfish is the \_\_\_\_\_ jellyfish.
- Sponges are the \_\_\_\_\_ form of animal.

**Question #3**

**Review exercise**

**Book Page 13**

**1. Why do scientists put organisms into different classes?**

Answer: Scientists put organisms into different classes so that it is simpler to study them.

Answer: \_\_\_\_\_

**2. What is another word for animals (a)with a spine (b)without a spine?**

Parent's sign : \_\_\_\_\_

Answer: (a) Vertebrates (b) invertebrate

Answer: \_\_\_\_\_

3. **What is animal cell? What does it do? Name the main parts of a cell.**

Answer:

- An animal cell is a cell that holds all the information necessary to keep an animal alive.
- Nerve cells in the brain send and receive messages.
- Blood cells carry oxygen around the body.
- Nucleus, cytoplasm, cell membrane and vacuole are main parts of the cell.

Answer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Date: 29-07-2020**

**Day : Wednesday**

**UNIT 2 "THE ANIMAL WORLD"**

**Topic: Review**

**Book Page 13**

**Objective :**

To enable the students to answer the given questions.

**Tutor web link:**

<https://youtu.be/OLBQ8reE-Fg>

4. **what is the difference between placental and marsupial mammals? Gives examples of each.**

Parent's sign : \_\_\_\_\_

**Answer:**

<b>Placental mammals</b>	<b>Marsupial mammals</b>
They give birth to fully developed young	They give birth to partial developed young
Examples: humans, rats	Examples: kangaroos, koalas
<b>Placental mammals</b>	<b>Marsupial mammals</b>

**5. What are the most common characteristics of each of the following?**

- (a) **Birds**                      (b) **Fish**                      (c) **Amphibians**  
(d) **Arthropods**              (e) **Reptiles.**

**Answer: (a) Birds**

- They are warm blooded
- They have feathers and wings
- They have beak but no teeth
- They have a furcular

Answer: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**(b) Fish**

**Answer:**

- They live in water
- Most lay eggs

Parent's sign : \_\_\_\_\_

- Most have scales
- They are cold blooded
- They have gills to help them breathe

Answer: \_\_\_\_\_

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**(c)Amphibians**

**Answer:**

- They have thin skin
- They live in water and land
- They are cold blooded
- They don't have scales and claws

Answer: \_\_\_\_\_

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**(d)Arthropods**

**Answer:**

- They are cold blooded
- They are found on land, in trees, in water and underground
- They are the major source of food for many other animals

Answer: \_\_\_\_\_

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Parent's sign : \_\_\_\_\_



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**(e)Reptiles**

**Answer:**

- Reptiles are cold blooded
- Reptiles have scales
- Reptiles lay eggs with leathery water proof shells.

Answer:\_\_\_\_\_

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**(b) What class of animals can be traced back to the dinosaur?**

**Answer:** Reptiles.

Answer:\_\_\_\_\_

**Date: 30-07-2020**

**Day : Thursday**

**UNIT 2 “THE ANIMAL WORLD”**

**Topic: Assessment**

**Total marks :20**

**Objective :**

To evaluate the performance of the student.

**Question #1**

**Encircle the best option**

**/3**

- Beetles and ants are examples of\_\_\_\_\_.
- (A) arachnids (B) centipedes (C) spiders (D) insects

Parent’s sign :\_\_\_\_\_

- Vertebrates are divided into \_\_\_\_\_ classes  
(A) 2            (B) 3    (C) 5            (D) 6
- The control centre of the cell is  
(A) cytoplasm            (B) nucleus    (C) vacuole    (D) cell membrane

**Question #2**

**Fill in the blanks**

**/3**

- Sponges are the \_\_\_\_\_ form of animal.
- Birds have evolved from \_\_\_\_\_.
- All living things are made up of \_\_\_\_\_.

**Question # 3**

**Draw and Label the diagram of “ an animal cell”.**

**/4**

**Question # 4**

**Write the short answer.**

**/4**

- **What is the function of the cell?**

Answer: \_\_\_\_\_

- **How do most fish breathe?**

Parent's sign : \_\_\_\_\_

Answer: \_\_\_\_\_

**Question # 5**

**Long questions**

**/6**

- **Write down three main differences between mammals and reptiles?**

Answer: \_\_\_\_\_

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- **Write three common characteristics of a bird.**

Answer: \_\_\_\_\_

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Parent's sign : \_\_\_\_\_