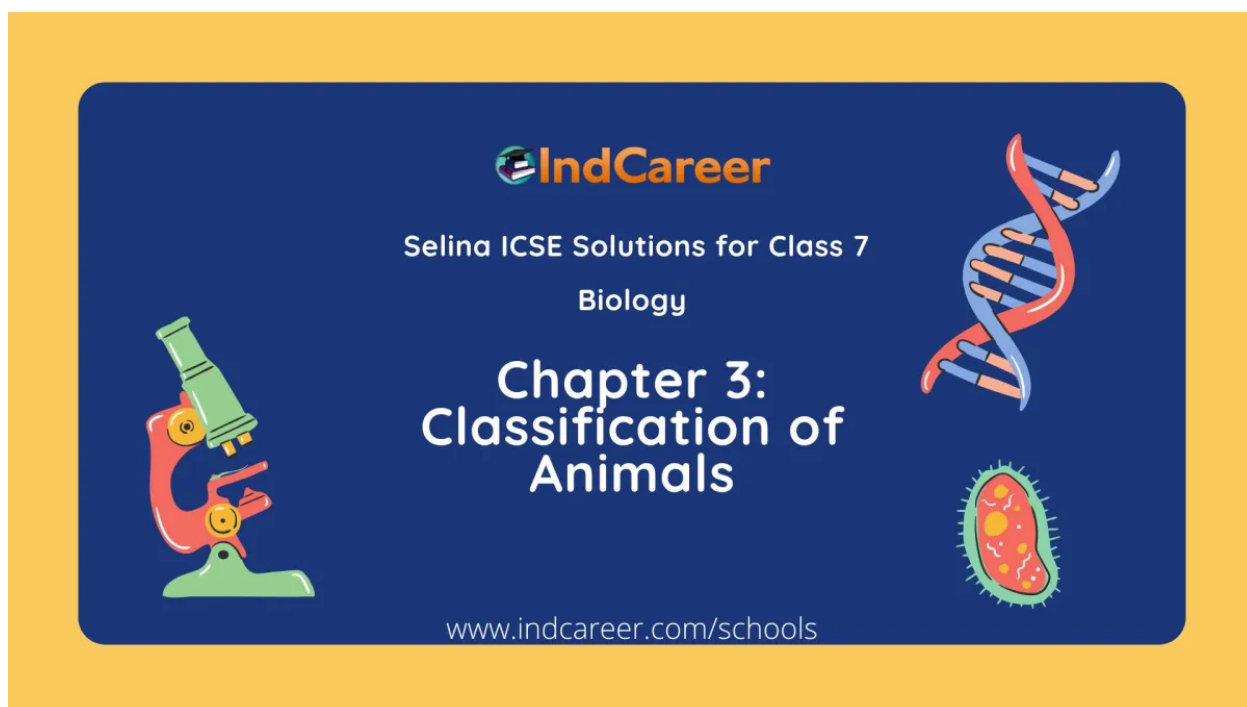


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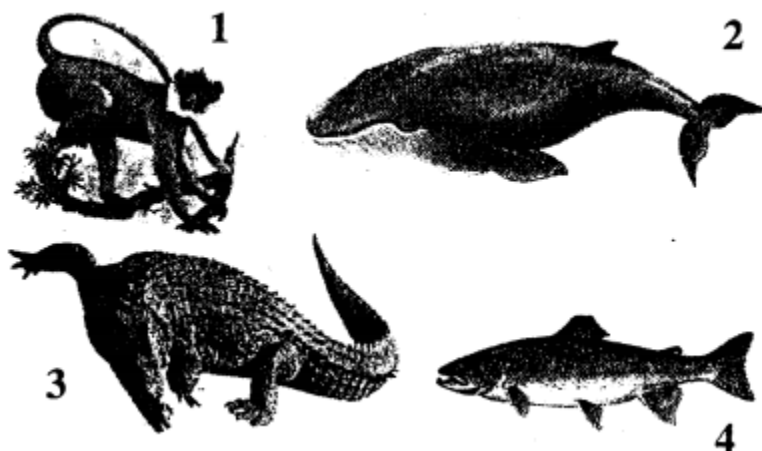
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Activity 3

Look at the four animals shown alongside.

Which four classes of vertebrates are represented by them ? Name these classes.



Answer:

1. Class Mammalia

2. Class Mammalia

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3. Class Reptilia

4. Class Pisces

Review Questions

MULTIPLE CHOICE QUESTIONS

1. Tick (✓) the appropriate answer:

(i) Identify the aquatic animal with scaly skin which breathe with gills –

(a) Rohu

(b) Tortoise

(c) Sparrow

(d) Rat

(ii) The unicellular organism causing malaria –

(a) Amoeba

(b) Paramecium

(c) Euglena

(d) Plasmodium

(iii) Identify the animal which is not an Arthropoda —

(a) Prawn

(b) Butterfly

(c) Earthwonn

(d) Spider

(iv) Scientist who introduced binomial nomenclature is —

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(a) Charles Darwin

(b) Carolus Linnaeus

(c) Robert Hooke

(d) Gregor Mendel

Short Answer Questions

1. Give two examples of each of the following:

(i) Amphibians:

Ans. Amphibians: 1. Frog 2. Toad

(ii) Segmented worms:

Ans. Segmented worms: 1. Earthworm 2. Leech

(iii) Reptiles:

Ans. Reptiles: 1. Snake 2. Lizard

(iv) Coelenterates:

Ans. Coelenterates : 1. Hydra 2. Jellyfish

(v) Arthropods:

Ans. Arthropods: 1. Crab 2. Centipede

(vi) Flatworms:

Ans. Flatworms: 1. Tapeworm 2. Liverfluke

2. Give names of two animals which are found as parasites inside the human intestine.

Ans. (a) Tapeworm (b) Ascaris

3. Name one example each of an animal which shows the following characteristics:

(i) Fixed animals with a pore-bearing body:

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Ans. Fixed animals with a pore-bearing body: sponge

(ii) Star-shaped body:

Ans. Star-shaped body: Star-fish

(iii) Can live in water as well as on land:

Ans. Can live in water as well as on land: Frog

(iv) Has a flattened ribbon-like body:

Ans. Has a flattened ribbon-like body: Tapeworm

4. Write one difference each between the following pairs:

(i) Porifera and Coelenterata.

(ii) Arthropoda and mollusca.

(iii) Invertebrates and Vertebrates

(iv) Platyheminthes and Nematoda

Answer:

(i) Porifera and Coelenterata.

Porifera

1. Body is porous i. e. bears many tiny pores to draw water into the body cavity.
2. e.g. Sponge

Coelenterata

1. Sac-like body with only one opening i.e. mouth.
2. e.g. Jelly fish, hydra, sea-anemone.

(ii) Arthropoda and mollusca.

Arthropoda

1. These are animals with

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2. They have segmented body.
3. They may or may not have wings

Example: Crab.

Mollusca

1. Move with the help of a muscular foot.
2. Soft body which is not segmented.
3. Body enclosed in a hard shell Example: Octopus

(iii) Invertebrates and Vertebrates

Invertebrates

1. The animals which do not have a back bone.
2. They are further classified into nine groups.

Example: Octopus, Starfish.

Vertebrates

1. The animals which have a back bone or a vertebral column.
2. They are further classified into five groups.

Example: Human Being, Lizard.

(iv) Platyheminthes and Nematoda

Platyheminthes

1. Body thin and flattened.
2. Mostly live as parasites in the bodies of other animals (hosts)
e.g. Tapeworm.

Nematoda

1. Body is rounded and unsegmented.
2. Mostly live as parasites in the body of animals including humans.
e.g. Roundworm commonly called Ascaris.

5. Match the animals given under column A with their respective classification group given under column B –

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Column A

- (i) Sponge
- (ii) Snail
- (iii) Butterfly
- (iv) Toad
- (v) Lizard

Column B

- (a) Amphibia
- (b) Reptilia
- (c) Echinodermata
- (d) Mollusca
- (e) Arthropoda

(vi) Starfish

(f) Porifera

Answer:

Column A

- (i) Sponge
- (ii) Snail
- (iii) Butterfly
- (iv) Toad
- (v) Lizard
- (vi) Starfish

Column B

- (f) Porifera
- (d) Mollusca
- (e) Arthropoda
- (a) Amphibia
- (b) Reptilia
- (c) Echinodermata

6. Write the characteristics of class Aves with reference to their body covering and jaws.

Answer:

The characteristics of class Aves are:

1. Body is covered with feathers.
2. They have wings to aid flying
3. They have scales on legs.

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4. They have no teeth.
5. They have jaws provided with horny beaks

7. Categorise the following animals under their appropriate columns of classification.

Animals

Dog	Grasshopper	Rat	Scorpion	Toad
Butterfly	Lizard	Turtle	Frog	Bat
Snail	Honey bee	Pigeon	Liverfluke	Leech
Cattle	Snake	Rohu	Parrot	Ascaris
Earthworm	Cow	Rabbit	Monkey	Elephant

Classification :

Worms	Molluscs	Fishes	Amphibians	Reptiles
Birds	Mammals			

Answer:

Worms – Arthropods, Butterfly, Ascaris, Scorpion, Honey bee, Liverfluke, Leech, grasshopper, Earthworm

Molluscs – Snail

Fishes – Rohu

Amphibians – Toad, Frog

Reptiles – Snake, Lizard, Turtle

Birds – Parrot, Pigeon

Mammals – Rat, Bat, Dog, Cattle, Cow, Rabbit, Monkey, Elephant

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- Chapter 2- Classification of Plants
- Chapter 3- Classification of Animals

Unit 2

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Unit 3

- Chapter 5- Excretion in Humans
- Chapter 6- Nervous System
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