**Lesson 2: Animals in Our Planet**

**I. Word Focus:**

1. Vertebrates
2. Invertebrates
3. Mammals
4. Reptiles
5. Amphibians
6. Cnidarians
7. Molluscs
8. Echinoderms
9. Arthropods
10. Arachnids
11. Crustaceans
12. Terrestrial
13. Arboreal
14. Aquatic
15. Tentacles

II. KWL

# III **Answer the following.**

**1. Differentiate between vertebrates and invertebrates**

|  | **Vertebrate** | **Invertebrate** |
| --- | --- | --- |
| **Definition** | Animals that possess a backbone or vertebral column are referred to as vertebrates. | Animals that lack a backbone or spine are called invertebrates. |
| **Body Support** | Backbone | Exoskeleton, shell or soft body |
| **Examples** | Tiger, Frog, Fish, Parrot, Crocodile | Bee, Snail, Jellyfish, Octopus, Starfish, Spider |

**2. Differentiate between Reptiles and Fishes**

|  | **Reptiles** | **Fishes** |
| --- | --- | --- |
| **Habitat** | Most of them live on land | They live only in water |
| **Respiration** | They breathe through lungs | They breathe through gills |
| **Skin** | They have tough, thick, scaly skin | They have flat, thin plates called scales |

**3. Write the similarities and differences between salmon and jellyfish.**

**Salmon**

* It is a vertebrate.
* It belongs to fish.
* It has gills to breathe.
* Swims with fins and tail.
* Streamlined body.

**Similarities (Both)**

* Both are aquatic.

**Jellyfish**

* It is an invertebrate.
* It belongs to cnidarians.
* Breathes through skin.
* Floats and drifts in water.

Question 4:  
Make a comparative study on Molluscs and Echinoderms.

* Both are invertebrates.
* Most molluscs live in water, but some live on land.
* All echinoderms are aquatic animals.
* Molluscs have a soft mass of flesh, some have hard shells, but echinoderms have spiny skin.

5. Create a quick guide on Arthropods.

**Arthropods**

* Group of invertebrates
* Have an exoskeleton
* Segmented body
* Joint legs.

## Insects

* Six legs.
* Two antennae.
* Mostly have wings.

# Arachnids

* **8 legs in the front part**
* **Segmented body (2 parts)**
  + Front part
  + Hind part

## Crustaceans

* Mostly aquatic.
* Segmented body.
* Joint appendages.
* Hard shells.

## Centipedes and Millipedes

* Belong to arthropods.

They do not fall into the other 3 groups

IV Interactive activity

VERTEBRATES