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**Subject: Biology**

**Name: worksheet: Vertebrates and Invertebrates**

**Objectives:**

* **To be able to classify the five main classes of vertebrates**
* **To be able to list the main features used in the classification of invertebrates**

***Classification of vertebrates***

Complete the empty boxes in the tables below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Vertebrate class** | **Body covering** | **Breathing** | **Reproduction** | **Examples** |
| **Fish** | wet, slimy scales |  | lay jelly-covered eggs | herring  shark |
| **Amphibians** |  | baby amphibians breathe with gills. adults breathe with lungs. |  |  |
| **Reptiles** | dry, scales | lungs | lay soft-shelled eggs on land |  |
| **Birds** |  |  | lay hard-shelled eggs | flamingo  gulls songbirds |
| **Mammals** |  |  |  |  |

***Classification of Invertebrates***

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **Class** | **Example** | **Features** |
| **Arthropods** |  | Dragon fly  grasshopper | * Three pairs of legs * One pair antennae |
| Arachnids |  | * Four pairs of legs |
| Crustaceans | Crab  lobster | * Five or more pairs of legs * Hard exoskeleton |
| Myriapods | Centipede  Millipede | * Ten or more pairs of legs * One pair of antennae |
|  | | Earthworm | * Long, cylindrical body * No legs |
|  | | Snail | * Soft bodies * Most have a shell |
| **Cnidaria** | |  | * They have tentacles. * No legs |
| **Echinoderms** | |  | * Some of them are covered with spikes for defense |