**Animal Class, Compare & Contrast**

**Directions:** The chart below presents the five vertebrate animal classes as well as some distinguishing traits they may or may not share. Try to complete the chart by using the following word bank: ALL, SOME, MOST, MANY, NONE. For extra credit, provide examples!

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| --- | --- | --- | --- | --- | --- |
|  | BIRDS | MAMMALS | FISH | REPTILES | AMPHIBIANS |
| Warm-blooded | ALL | ALL | NONE | NONE | NONE |
| Bipedal(2-legged) | ALL | SOME (humans for instance) | NONE | NONE | NONE |
| Have nails/claws | ALL | ALL | NONE | SOME Turtles & lizards often have nails but snakes certainly don’t!  | NONE |
| Breathe with Lungs | ALLBirds also breathe with air sacs! | ALL | NONE Fish breathe through gills rather than lungs.  | ALL | MOST Some salamanders breathe entirely through their skin! |
| Lay Eggs | ALL | SOMEThe platypus & echidnas are the only known egg-laying mammals | MOSTSome fish, like sharks, give birth to live young. | MOSTSeveral snakes & lizards give birth to live young! | MOSTMany caecilians give birth to live young as do a few frog species. |
| Fly | MOSTPenguins & kiwis and ostriches & emus are just a few flightless bird species. | SOMEThe only mammal that can truly fly is a bat. | NONEFlying fish don’t actually fly; they glide. | NONESome snakes can glide; no reptile is capable of flight. | NONENo amphibian is capable of actual flight. |
| Swim | MANYLoons, ducks, geese, and penguins are excellent swimmers! | MANYThere are a surprising number of mammals capable of swimming. From squirrels to elephants, who can you think of? | ALL | MANYReptiles can be excellent swimmers. Crocs, alligators, sea turtles and marine iguanas are examples.  | MANYAquatic frogs and salamanders are excellent swimmers and almost every amphibian hatches in water! |
| Migrate | MANY | SOMENotably reindeer, bats, porpoise and whales. | SOMESalmon migrate to freshwater to spawn and some freshwater eels do the opposite! | MANYMany reptiles, like turtles, migrate long distances for breeding purposes.  | SOMEFrogs & salamanders are notorious for making migrations to vernal pools for breeding in early spring.  |