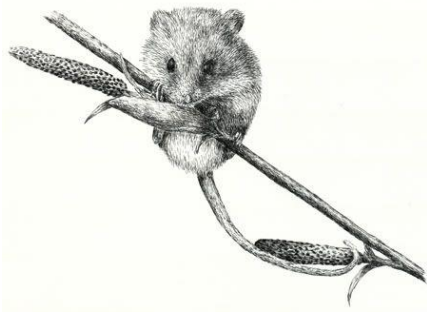


Marvelous Mammals: Class and Order

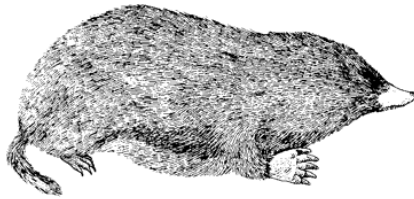
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For this exercise divide the following mammals into their taxonomical **Order**. There are 19 orders of mammals; they are listed on the following pages for reference. Please write the order of each mammal under their image.



Salt Marsh Harvest Mouse

Order: _____



Broad-footed Mole

Order: _____



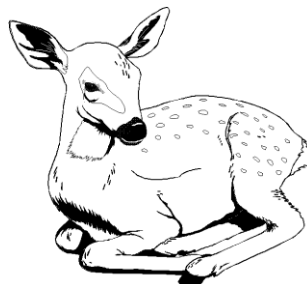
Bobcat

Order: _____



Long-Tailed Weasel

Order: _____



Mule Deer (Fawn)

Order: _____



Jackrabbit (Hare)

Order: _____



Virginia Opossum



Dusky-footed Wood Rat

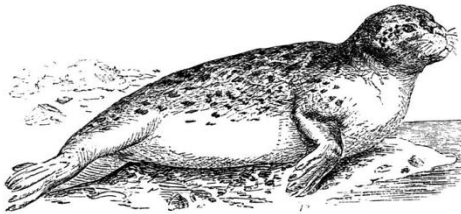


Little Brown Bat

Order: _____

Order: _____

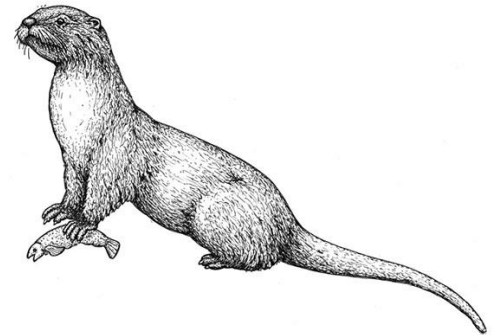
Order: _____



Harbor Seal



Striped Skunk



River Otter

Order: _____

Order: _____

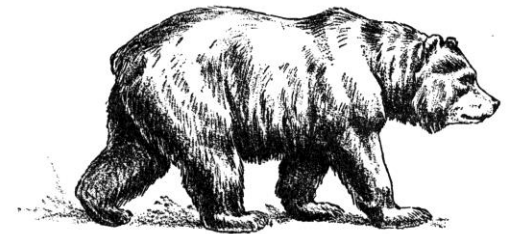
Order: _____



Shrew



Beaver



Black Bear

Order: _____

Order: _____

Order: _____

Order Artiodactyla (even-toed hoofed animals) of infra-order Ungulata

- Hoofed animals with an even number of toes include those that ruminates, or digest their food in four-chamber stomachs and chew cuds, and those that do not ruminates. Those that ruminates are the families Giraffidae (giraffes), Cervidae (deer, moose, reindeer, elk), Antilocapridae (pronghorn antelope), and Bovidae (cattle, bison, yaks, waterbucks, wildebeest, gazelles, springboks, sheep, musk oxen, goats). Nonruminators include the families Suidae (pigs), Tayassuidae (peccaries), Hippopotamidae (hippopotamuses), and Camelidae (camels, llamas).

Order Carnivora (meat-eaters)

- There are two suborders of these toe-footed creatures. They include the Canidae (wolves, dogs, jackals, foxes), Ursidae (bears, giant pandas), Procyonidae (coatis, raccoons, lesser pandas), and Mustelidae (martens, weasels, skunks, otters), all part of one superfamily that is characterized by long snouts and unretractable claws; and Felidae (cats, lions, cheetahs, leopards) Hyaenidae (hyenas), and Viverridae (mongooses, civets), all of which have retractable claws. There are between 240-270 recognized species in this order, depending on the source. Some of these species have so little information on them that they are discarded by some sources. The carnivores consist of between 7-12 living families (based on source) in two superfamilies, Canoidea (or Arctoidea), the dog-like carnivores, and Feloidea (or Aeluroidea), the cat-like carnivores.

Order Cetacea (whales and porpoises)

- Two suborders of Order Cetacea are the toothed whales, which have regular conical teeth, and the baleen, or whalebone, whales, which have irregular whalebone surfaces instead of teeth. Toothed whales include the families Physeteridae (sperm whales), Monodontidae (narwhals, belugas), Phocoenidae (porpoises), and Delphinidae (dolphins, killer whales). Baleens are in the family Eschrichtiidae (gray whales), Balaenidae (right whales), or Balaenopteridae (fin-backed whales, hump-backed whales).

Order Chiroptera (bats)

- There are two suborders of bats, the only mammals that can fly. Suborder Megachiroptera contains one family, the Pteropodidae (flying foxes, Old World fruit bats). Suborder Microchiroptera contains 17 families, including: Rhinopomatidae (mouse-tailed bats), Emballonuridae (sheath tailed bats), Craseonycteridae (hog-nosed or butterfly bats), Noctilionidae (bulldog or fisherman bats), Nycteridae (slit-faced bats), Megadermatidae (false vampire bats), and Rhinolophidae (horseshoe bats). 19 families, 178 genera, 926 species (the second largest mammalian order)

Order Dermoptera (colugos or flying lemurs)

- These gliding tree mammals from Asia do not fly and are not lemurs, but they are known as flying lemurs, or Family Cynocephalidae.

Order Edentata (toothless mammals)

- Three families of mammals get by without teeth: Dasypodidae (armadillos), Bradypodidae (sloths), and Myrmecophagidae (hairy anteaters).



Order Hyracoidea (hyraxes, dassies)

- Order Hyracoidea is one of three orders that has only one modern family remaining. Procavia capensis (the African rock hyrax) is one of nine living species in the Family Procaviidae.

Order Insectivora (insect-eaters)

- The three members are the families Talpidae (moles), Soricidae (shrews), and Erinaceidae (hedgehogs).

Order Lagomorpha (pikas, hares, and rabbits)

- Two families make up this order: Ochotonidae (pikas) and Leporidae (hares and rabbits of all sorts).

Order Marsupialia (pouched animals)

- Included among these are the families Caenolestidae (rat opossums), Didelphidae (true opossums), Dasyuridae (native cats, native mice), Notoryctidae (marsupial moles), Myrmecobiidae (numbats), Peramelidae (bandicoots), Phalangeridae (koalas), Vombatidae (wombats), and Macropodidae (kangaroos and wallabies).

Order Monotremata (egg-laying mammals)

- These more primitive mammals make up the families Tachyglossidae (echidnas, also called spiny anteaters) and Ornithorhynchidae (platypuses).

Order Perissodactyla (odd-toed hoofed animals) of infra-order Ungulata

- The two suborders, Hippomorpha and Ceratomorpha, include creatures that have an odd number of toes. Families in this order are the Equidae (horses, donkeys, zebras), the Tapiridae (tapirs), and the Rhinocerotidae (rhinoceroses).

Order Pholidata

- Family Manidae (pangolins) is the sole family in this order.

Order Pinnipedia (seals and walruses)

- In the fin-footed order there are Otariidae (eared seals, sea lions), Odobenidae (walruses), and Phocidae (earless seals).

Order Primates (primates)

- The order to which people belong is divided into two suborders: The Prosimii, who have longer snouts than their relatives, and the Anthropoidea. The first group includes the families Tupaiidae (tree shrew), Lemnidae (lemurs), Daubentonidae (aye-ayes), Lorisidae (lorises, pottos), and Tarsiidae (tarsiers). The anthropoids include the families Callitrichidae (marmosets), Cebidae (New World monkeys), Cercopithecidae (baboons, Old World monkeys), Hylobatidae (gibbons), Pongidae (gorillas, chimpanzees, orangutans), and Hominidae (human beings).

Order Proboscidea (elephants)

- Large enough to have an order all to itself is Family Elephantidae.

Order Rodentia (gnawing mammals)

- The most prolific mammals, Order Rodentia includes three suborders. It takes in the families Aplodontidae (mountain beavers), Sciuridae (chipmunks, squirrels, marmots), Cricetidae (fieldmice, lemmings, muskrats, hamsters, gerbils), Muridae (Old World mice, rats), Heteromyidae (New World mice), Geomyidae (gophers), and Dipodidae (jerboas). 1700 Species

Order Sirenia (dugongs and manatees)

- The families Trichechidae (manatees) and Dugongidae (dugongs and other sea cows) make up the Order Sirenia.

Order Tubulidentata (aardvarks)

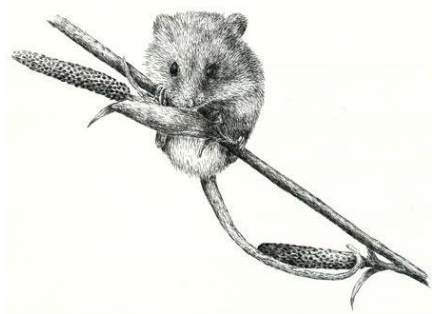
- Another mammal in an order by itself is Family Orycteropodidae.

ANSWERS

Marvelous Mammals: Class and Order

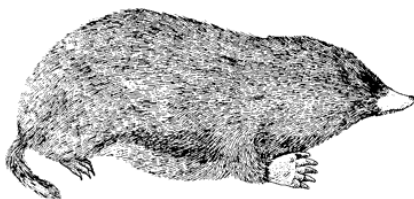
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Broad-footed Mole

Order: **Insectivora**



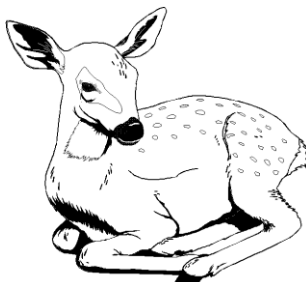
Bobcat

Order: **Rodentia**



Long-Tailed Weasel

Order: **Carnivora**



Mule Deer (Fawn)

Order: **Rodentia**



Jackrabbit (Hare)

Order: **Lagomorpha**



Virginia Opossum

Order: **Marsupialia**



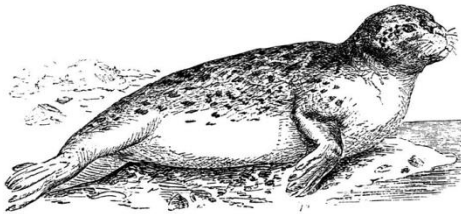
Dusky-footed Wood Rat

Order: **Rodentia**



Little Brown Bat

Order: **Chiroptera**



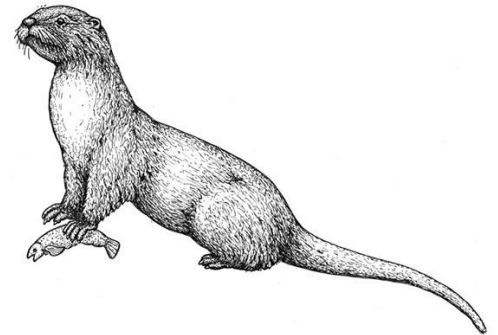
Harbor Seal

Order: **Pinnipedia**



Striped Skunk

Order: **Carnivora**



River Otter

Order: **Carnivora**



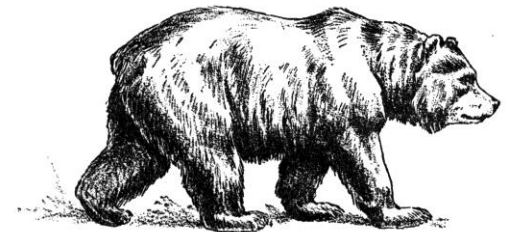
Shrew

Order: **Insectivora**



Beaver

Order: **Rodentia**



Black Bear

Order: **Carnivora**