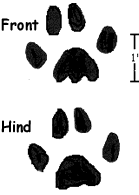
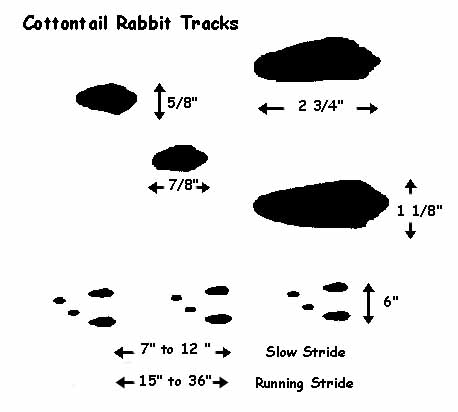
Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Wildlife Notes 1-10-Mrs. Weimer

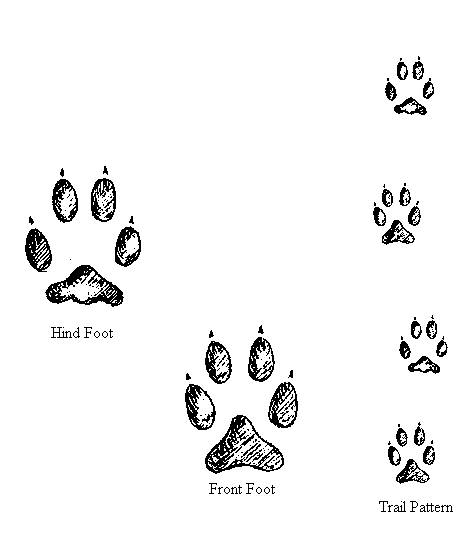
* What is Population Ecology?
* What is R and K Selection?
* Squirrels
* ALL SQUIRRELS
  + See in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ only
  + Use their \_\_\_\_\_\_\_\_\_\_ to balance
  + Most active in the morning and early afternoon
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ species
  + Born blind and completely depend on mother
    - Up to \_\_\_\_ months
* Five Pennsylvania Species
* Gray Squirrel  
  Sciurus carolinensis
* most familiar and most common in PA
* \_\_\_\_small game animal
* deciduous (oak/hickory)
* “\_\_\_\_\_\_\_\_\_\_\_\_\_”
* store nuts singly (lose 75%)
* barks
* dawn & dusk
* Other facts:
  + Albinism is rare, but \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(black) common
  + Eat acorns, hickory nuts, walnuts, beechnuts, berries, mushrooms, corn
  + Max life span \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_ day gestation period, females bear litters of 4-5 in early spring with a second litter in late summer
* Red Squirrel  
  Tamiasciurus hudsondonicus
* “Busy-body”
* Loud, alert
* AKA Chickaree or ground squirrels bc of their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_-so they do not bury nuts, but keep them in a large hollow log
* Other facts:
  + About \_\_\_\_\_\_\_\_\_\_\_\_ the size of a gray squirrel
  + \_\_\_\_\_\_\_\_\_\_\_\_ day gestation period
  + Have extreme \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Fox Squirrel
    - Sciurus niger
* W/SW PA
* \_\_\_\_\_\_\_\_\_ in PA
* Woodland “edges”
* Active at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Other facts:
  + They never actually hibernate
  + Fox and gray seem to get along
* Flying Squirrels  
  Glaucomys volans
* Skin flaps
* “Glide”
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* large red eyes
* social
* Other facts:
  + Mainly\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but some forage on the ground
  + Nest in hollow tree cavities
  + Will also eat bugs, beetle, larvae, fungi, small mice, shrews
* FACTS ABOUT SQUIRRELS
* Once grays were so abundant that bounties were paid to kill them (1749)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per acre is a good density
* Habitat: oak hickory and beech-birch-maple
* Chipmunk  
  Tamius striatus
*  stripes, cheek pouches
* smallest in PA
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Estivation-\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Same FAMILY as the squirrel
* “cache”
* Other facts:
  + Also related to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Makes a chirping noise
  + Omvivorous-seeds, nuts, eggs, insects, worms
  + Also not a true hibernator
  + Gestation: \_\_\_\_\_\_\_\_\_ days
  + Deciduous forest habitat

#3 Bobcats

* Bobcat  
  Lynx rufus
* PA’s only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Resembles a \_\_\_\_\_\_\_\_\_\_\_\_\_
* Retractable claws\_\_\_\_\_\_, large eyes, raspy tongue
* Carnivore - hunting based on stealth, ambushes prey
* K-selective
* Facts:
  + AKA: lynx, wildcat, swamp tiger
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + 15-30 pounds
  + Mainly nocturnal
  + Strong swimmer
  + Gestation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ days
  + Life span: 14 years
  + Current population \_\_\_\_\_\_\_\_\_\_in PA with very limited hunting and trapping
  + Remote areas
  + Age determined \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (cementum annuli)
  + \_\_\_\_\_\_\_\_\_ vertical leap
  + Bounties paid until 1938, protected from 1970-2000
  + Limited trapping begun in 2000-2001
  + Order = Carnivora Family = Felidae

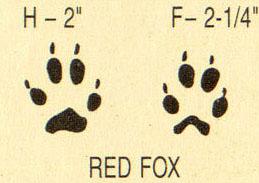
#4 Cottontail Rabbit

* Eastern Cottontail Rabbit  
  Sylvilagus floridanus
* PA’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Males- \_\_\_\_\_\_\_\_\_\_\_Females- \_\_\_\_\_\_\_\_\_\_\_\_\_
* Prefer fields, farms, brushy areas
* r-selective, high reproductive potential
* Herbivore (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
* #’s increased with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Life-span = < 1 year in the wild
* Order = Lagomorphia Family = Leporidae
* Other facts:
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Run in a \_\_\_\_\_\_\_\_\_ pattern
  + \_\_\_\_\_\_\_\_\_take no part in raising young
  + Prefer grasses and clover

#5 Gray Fox

* Gray Fox  
  Urocyon cinereoargenteus
* Opportunistic omnivore
* K-selective
* Can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Slightly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than red
* Hunted and trapped
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* ♂- \_\_\_\_\_\_\_\_\_\_, ♀- \_\_\_\_\_\_\_\_\_, Young- \_\_\_\_\_\_\_\_\_\_\_
* Order = Carnivora
*  Family = Canidae

#6 Red Fox

* Red Fox  
  Vulpes vulpes
* Opportunistic Omnivore
* K-selective
* Slightly\_\_\_\_\_\_\_\_ than gray
* Imported from Europe for hunting
* Reputation for being “sly” & “cunning”
* Hunted & trapped (red light, calls)
* Black ears & “socks”, White-tipped tail

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= dogs,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_= vixen, young = pups/kits

* Order = Carnivora Family = Canidae
  + Facts:
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ seem to be pushing foxes out of their habitats
    - Red and gray can coexist without a problem
    - Density of one per \_\_\_\_\_\_\_\_\_\_\_\_\_\_ acres is appropriate
    - Can eat whatever is obtained-fruit grasses, rodents, insects, cats, chickens, etc
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is a problem

#6 Woodchuck

* Woodchuck  
  Marmota monax
* Senses located on top of the head
* Large, white incisors
* May suffer from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - abnormal growth of incisors
* Prefer farms, fields, and orchards
* #’s \_\_\_\_\_\_\_ with human settlement
* Extensive underground tunnel system
* Herbivores
* K-selective
* True \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* “Groundhog’s Day”

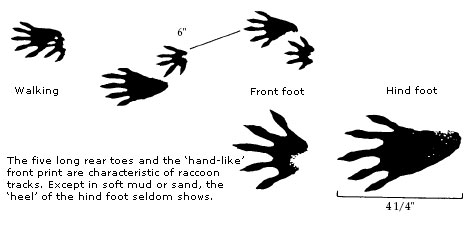
Feb. 2nd, “Punxsutawney Phil”

* Can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Order = Rodentia
* Family = Sciuridae
* Other facts:
  + Weigh from 5-15 pounds
  + Keen sense of sight, hearing, smell – all located at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Can fight very well and will take on coyotes, etc
  + A population that can absorb heavy hunting and still produce offspring at a high rate

#7 Snowshoe hare

* Snowshoe/Varying Hare  
  Lepus americanus
* \_\_\_\_\_\_\_\_\_- hair falls out and is replaced Summer / Winter
* Responds to changing periods of light (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)
* K-selective (vs cottontail)
* Large, 6” rear feet
* Northern climates, remote spruce forests
* Limited hunting (3-5 days)
* Population decreased with human settlement
* Males- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Females- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Young- l\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Order = Lagomorpha Family = Leporidae

#9 Raccoon

* Raccoon  
  Procyon lotor
* “Masked bandit”, ringed tail
* Acute sense of touch, dexterous forepaws
* Opportunistic \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* “dunks” food
* Adaptable to many habitats, great \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Trapped and hunted
* Can be vicious if cornered
* Communication system
* Victim of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Order = Carnivora Family = Procyonidae
* Facts:
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Excellent sense of hearing, touch, sight, smell
  + Nocturnal
  + Life span – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years
  + Adaptable habitat
    - Favoring hardwood and coniferous trees