

HABITATS & NICHE

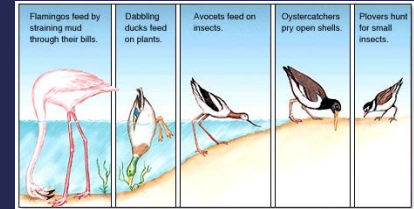
HABITATS

- Environment where an organism or community lives
- Provides water, food, shelter, & climate



HABITAT VS NICHE

- Habitat - Area where a species lives
- Niche - Its role in that habitat



COYOTE HABITAT & NICHE

HELLO, I'M A COYOTE. I'LL TELL YOU ABOUT MY HABITAT & NICHE.

A HABITAT IS WHERE I LIVE. MY HABITAT IS LOW VALLEYS, HIGH MOUNTAINS, OPEN PLAINS & GRASSLANDS IN THE DESERT SOUTHWEST.

A NICHE IS ALL OF THE PHYSICAL AND BIOLOGICAL CONDITIONS IN HOW I CAN OBTAIN RESOURCES TO SURVIVE & REPRODUCE.

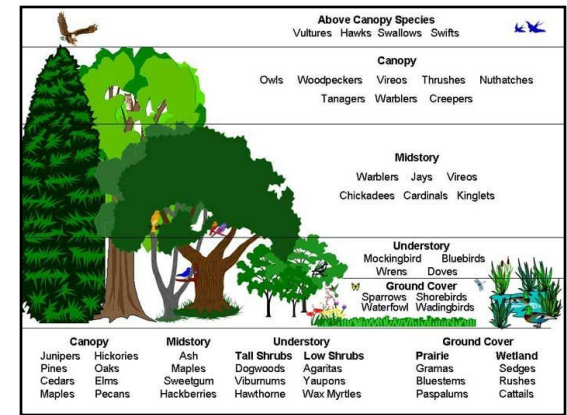
WE LIVE IN PAIRS OR PACKS TO MAINTAIN & DEFEND OUR TERRITORY.

PUPS ARE BUILT TO LIVE IN A TOUGH ENVIRONMENT. OUR YOUNG HAVE A GOOD SENSE OF SMELL, VISION, AND HEARING TO ESSENTIAL FOR SURVIVAL.

PLANTING IS DONE IN BOTH DAYLIGHT & NIGHT. WE ARE PREDATORS TO SMALL ANIMALS LIKE RABBITS BUT CAN TAKE DOWN DEER IN PACKS.

NICHES

- Determined by:
 - Biotic factors (food, predators, mates)
 - Abiotic factors (temp, sunlight, water)
- Variety in niches = variety of species
- Example: Darwin's finches



COMPETITION

- All species have similar needs and must compete for resources:
- Climate range
- Territory
- Food
- Mating



TYPES OF NICHES

- Niches include:

- Predator
- Keystone
- Apex
- Prey
- Parasite
- Mutualist

- Niches include:

- Commensalist
- Producer
- Consumer
- Decomposer
- Generalist
- Specialist

PREDATORS IN A NICHE

- Increases niche diversity by decreasing prey population
- Keystone Predator - Promotes GREAT niche diversity
- Apex Predator - Predator without its own predator

