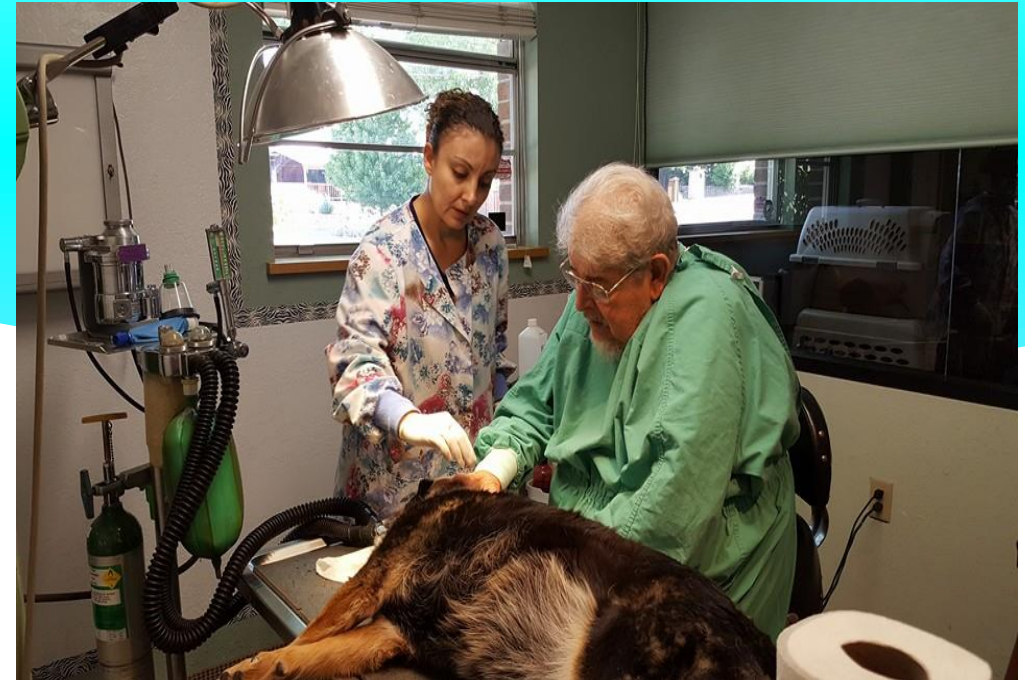




CAREER EXPLORATION: HEALTH SCIENCES **the Animal Industry**

ASSISTING OUR **PLANET**, PEOPLE AND **ANIMALS**

Prepared for Tierney Lain **BROMLEY EAST CHARTER SCHOOL** April 23rd 2020





Veterinary – Agricultural – Animal Welfare

UNLIMITED OPPORTUNITIES AWAIT ALL ANIMAL WELFARE ADVOCATES & ENTREPRENEURS

Opportunities

There are various ways your entrepreneurial spirit can assist our planet, humans and animals to continue to cohabitate for centuries to come! The animal and pet industry is made up of hundreds of different sections or venues:

Animal oriented LLC's, Retail and Wholesale Industry, Non-Profit Organizations, Government and City organizations, Agriculture, Game & Wildlife

No matter what area of interest we choose, all of us are the new ANIMAL ADVOCATES & ENVIRONMENTAL WARRIORS + Every choice we make about who we work with, which products we make needs to take into consideration the respect for animals, farmers and the environment.

Committing to a career in these industries comes with great responsibility and dedication – Becoming a successful expert or entrepreneur in ANY of these fields takes long hours of dedication and training but the rewards will outweigh the work you may have to complete to get there. **Knowing your part of treating, rescuing, re-homing or saving our animals and planet can be one of the BEST life choice you will ever make:**

Environmentalism Advocates the preservation, restoration and/or improvement of the natural environment, and seeks to control pollution and protect plant and animal diversity.

Animal Advocates believe humans have a moral responsibility to treat animals with respect, and that the interests of humans and animals should be considered equally.



Industry Choices

DVM: Doctor of Veterinary Medicine or PhD in Veterinary Medicine > these degrees can include a specialized area of interest - Coursework may include etiology, biology, ecology, anatomy & physiology, zoology, wildlife, animal science, psychology, and statistics. veterinary school is a four-year degree program following undergraduate Bachelor's degree level education (a total of **7 to 9 years: 3 to 5 years undergraduate** plus **4 years** of veterinary school).

CVA: Certified Veterinary Assistant > A veterinary technician requires less education. A typical degree program completed by a veterinary technician lasts for **2-4 years**.

ACAAB: Associate Certified Applied Animal Behaviorist > Undergraduate and/or graduate coursework must include 30 semester credits in behavioral science courses including 9 semester credits in ethology, animal behavior and/or comparative psychology and 9 semester credits in animal learning, conditioning and or animal psychology

CAAB: Certified Applied Animal Behaviorist > Educational and experiential requirements include a doctoral degree from an accredited college or university in a biological or behavioral science with an emphasis on animal behavior, including five years of professional experience, or a doctorate from an accredited college or university in veterinary medicine plus two years in a university-approved residency in animal behavior and three additional years of professional experience in applied animal behavior.

- **AAT: Animal Assisted Therapist** > Animals & Human Health certificate that requires one on-campus course and three online courses. The on-campus course is the capstone, which involves student presentations, group work, and interaction with animal therapy professionals. Applicants must have a bachelor's degree or equivalent practical experience in animal assisted therapy.
- **CAAP: Certificate in Animal Assisted Psychotherapy** > The program is designed for mental health professionals and students with an interest in animal assisted interventions. The certificate program includes six online courses, which can be completed at the student's own pace. The program also offers a virtual classroom allowing students to network. The course is eligible for continuing education credit hours. Applicants must be students or have earned an advanced degree in the mental health field.
- **Grooming or Kennel Professional:** Dependent on your state there are no licensing requirements to be a professional groomer. However, in certain states, a freelance groomer with their own business will require their facility to hold a Pet Grooming Facility License or a regional certification. While freelance groomers themselves do not need this license, their facility will.
- **Rescue, Shelter, Pet shop Professional:** Dependent on the state, professionals need to obtain proper licensing and comply with the AWA (Animal Welfare Act) and PACFA (Pet Care Animal Facilities Act)
- **Animal Career List:** <https://www.thebalancecareers.com/animal-career-list-125603>
- **Department of Agriculture:** <https://www.usda.gov/>
- **AWA reference guide:** <https://www.nal.usda.gov/awic/animal-welfare-act-quick-reference-guides>



Business (LLC Vs Non-Profit Organizations)

- The key difference between a for-**profit** and a **nonprofit** is that one is **organized** to make money for its owners **and** the other is not. A **nonprofit** is meant to serve a charitable, educational, scientific or literary purpose.
- **Non-profit organizations** have no owners but board members. While **nonprofits are** not required to pay taxes on net income, they **are** responsible for state and property taxes. Another **difference** between a **nonprofit** and for-profit **organization is** that a for-profit will put together an income statement each quarter.
- **Nonprofit** corporations, contrary to their name, can **make** a **profit** but can't be designed primarily for **profit**-making. With a for-**profit business**, the owners and shareholders generally receive the **profits**. With a **nonprofit**, any money that's left after the organization has paid its bills is put back into the organization.
- **For-profit business** seeks to generate income for its founders and employees. Profits, made by sales of products or services, measure the success of for-profit companies and those **profits are shared with owners, employees, and shareholders**. For-profit businesses can be either privately held or publicly traded. The latter sell stock and must abide by special rules to protect shareholders.

Animals and Environmental Careers



Animal and Environmental Biology

Programs designed to equip the students with the practical uses of **biological** knowledge and to inculcate in the students an entrepreneurial and problem-solving ability.

wildlife and Environmental Biology

Wildlife Biologists are scientists that observe and study the behaviors of animals. ... Many **Wildlife** Biologists will eventually specialize into a particular area of study defined by ecosystem or species. Some of these fields include: Entomology, Ornithology, Marine **Biology**, or Limnology

Aquatic and Environmental Biology

Aquatic Biology is a sub-discipline of biology (the science of living things) concerned with the freshwater ecosystems of our planet. They will study wetlands, rivers, lakes and ponds and river mouths

Advancing Conservation Careers



Meeting today's growing conservation and wildlife challenges requires that we find new ways of thinking about and practicing conservation, rooted in solving social problems through scalable methods and prototypes that deliver results.

Beyond Biology = over the past 30 years the entire conservation field has developed under something of a false premise that it is primarily about biodiversity science, when it is really about social change. Today, the field is much better at diagnosing problems—understanding why species are disappearing or ecosystems are degrading (a biology question)—rather than developing solutions (a social challenge)

Start Projects or Prototypes = frequently and too often we see the resulting “project trap” in conservation: numerous, small, isolated projects, or opportunistic organizations that have no clear path to scaling. Conservation practice needs to more widely and consistently deploy a prototyping approach, whereby initiatives target root problems through a testable hypothesis and impact model based on measurable results.

Improving the Conservation Marketplace and Virtual Presence = Much conservation funding is concentrated within a small number of large international organizations and the feedback loops between efforts on the ground (often in tropical, developing countries) and funders (located predominantly in the Global North) are fairly attenuated.

Don't Dream...Think Big = Meeting today's growing conservation challenges will require that we find new ways of thinking about and practicing conservation and protecting our planet and the animals - Conservation investors, practitioners, and scholars need to work together to reimagine a bolder, more integrated and entrepreneurial conservation field that is up to the challenge.

Wildlife refuge

A wildlife refuge, also known as a wildlife sanctuary, is a naturally occurring sanctuary, such as an island, that provides protection for wildlife species from hunting, predation, competition or poaching; it is a protected area, a geographic territory within which wildlife is protected.

Farm Sanctuary

Farm Sanctuary is an American animal protection organization, founded in 1986 as an advocate for farmed animals. It was America's first shelter for farmed animals. It promotes laws and policies that support animal welfare, animal protection, and veganism through rescue, education, and advocacy

Animal sanctuary

An animal sanctuary is a facility where animals are brought to live and be protected for the rest of their lives. Unlike animal shelters, sanctuaries do not seek to place animals with individuals or groups, instead maintaining each animal until its natural death. However, they can offer rehoming services



CONSERVATION

For more than 40 years, our national marine sanctuaries have worked to protect special places in America's ocean and Great Lakes waters, from the site of a single [Civil War shipwreck](#) to a vast expanse of ocean surrounding remote coral reefs and tiny atolls. Backed by one of the nation's strongest pieces of ocean conservation legislation, the [National Marine Sanctuaries Act](#), the sanctuaries seek to preserve the extraordinary scenic beauty, biodiversity, historical connections and economic productivity of our most precious underwater treasures. By acting as responsible stewards of these special places, we strengthen our nation now and for future generations.

Ecosystems: [Kelp Forests](#)

Kelp forests grow predominantly on the Pacific Coast, from Alaska and Canada to the waters of Baja California. Tiered like a terrestrial rainforest with a canopy and several layers below, the kelp forests of the eastern Pacific coast are dominated by two canopy-forming, brown macroalgae species, giant kelp

[Coral Reefs](#)

Coral reef ecosystems are among the oldest and most diverse on Earth. Along with their wealth of biological diversity and aesthetic value, coral reefs have substantial economic value. Reef systems serve as barriers protecting many coastal populations and developments from storm damage; they support commercial fisheries; they serve as major tourist attractions; and they hold the possibility of unimagined medicinal compounds in the diverse life forms within them. As unique and valuable as these ecosystems are, they have become one of the most threatened coastal ecosystems.

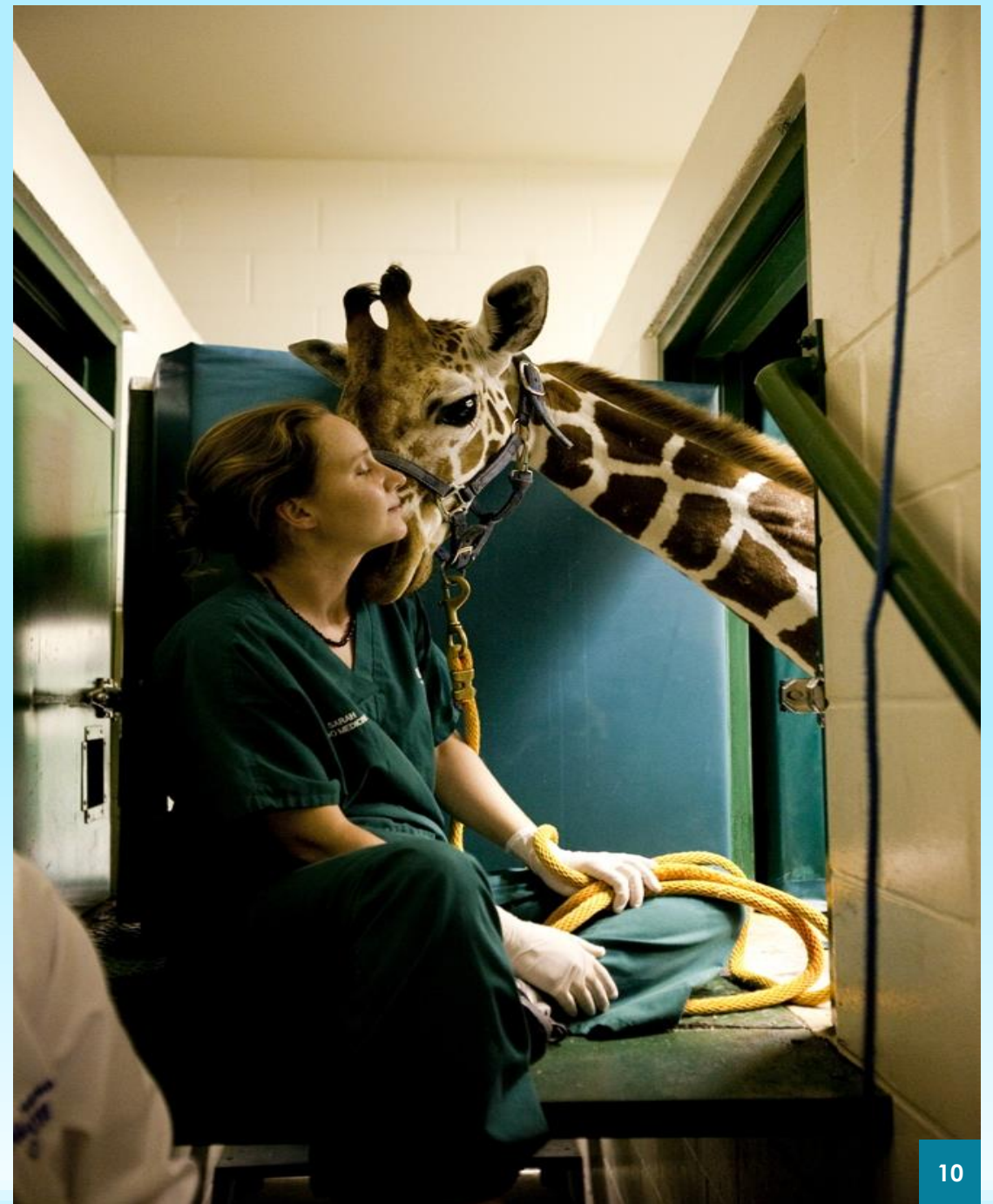
Retail & Whosale Pet Suppliers:

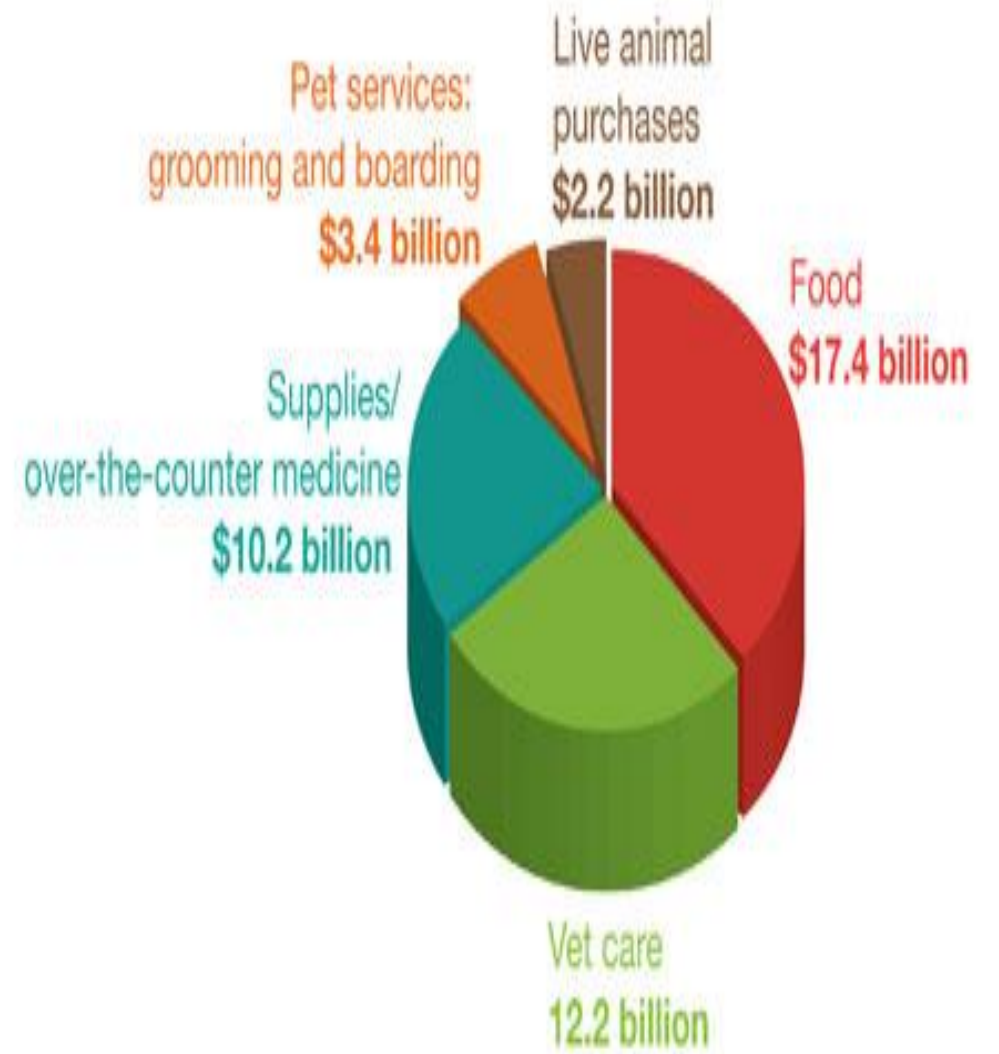
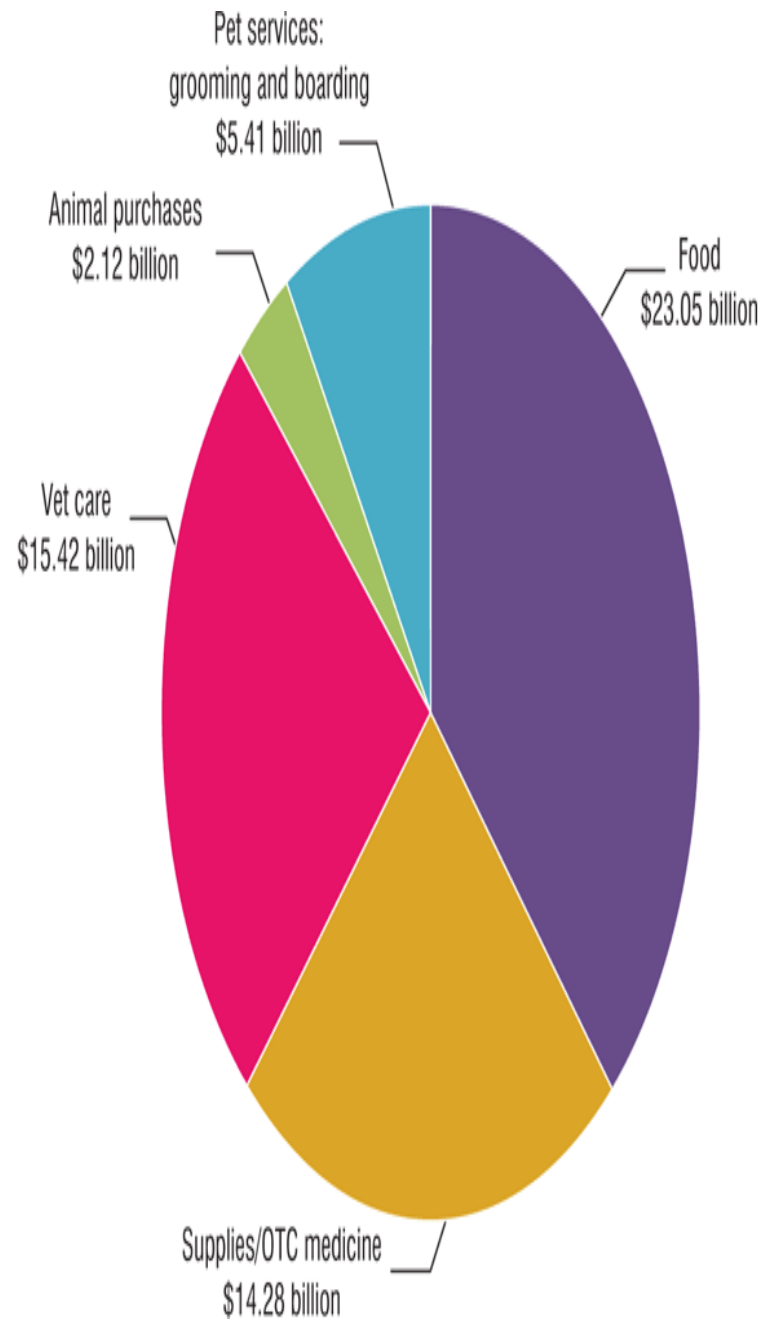
A pet store or pet shop is a retail business which sells different kinds of animals to the public. A variety of animal supplies and pet accessories are also sold in pet shops. The products sold include food, treats, toys, collars, leashes, cat litter, cages and aquariums.

Animal rescue groups: An animal rescue group or animal rescue organization is dedicated to pet adoption. These groups take unwanted, abandoned, abused, or stray pets and attempt to find suitable homes for them.

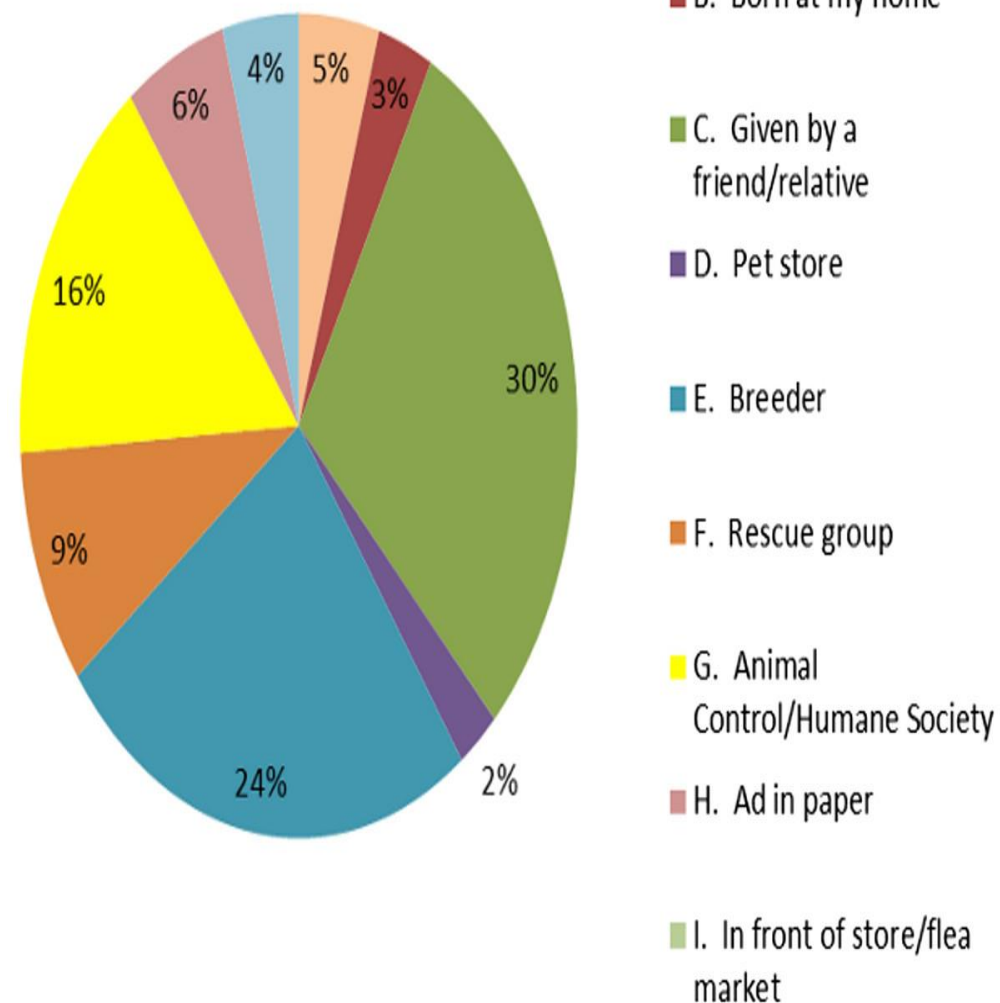
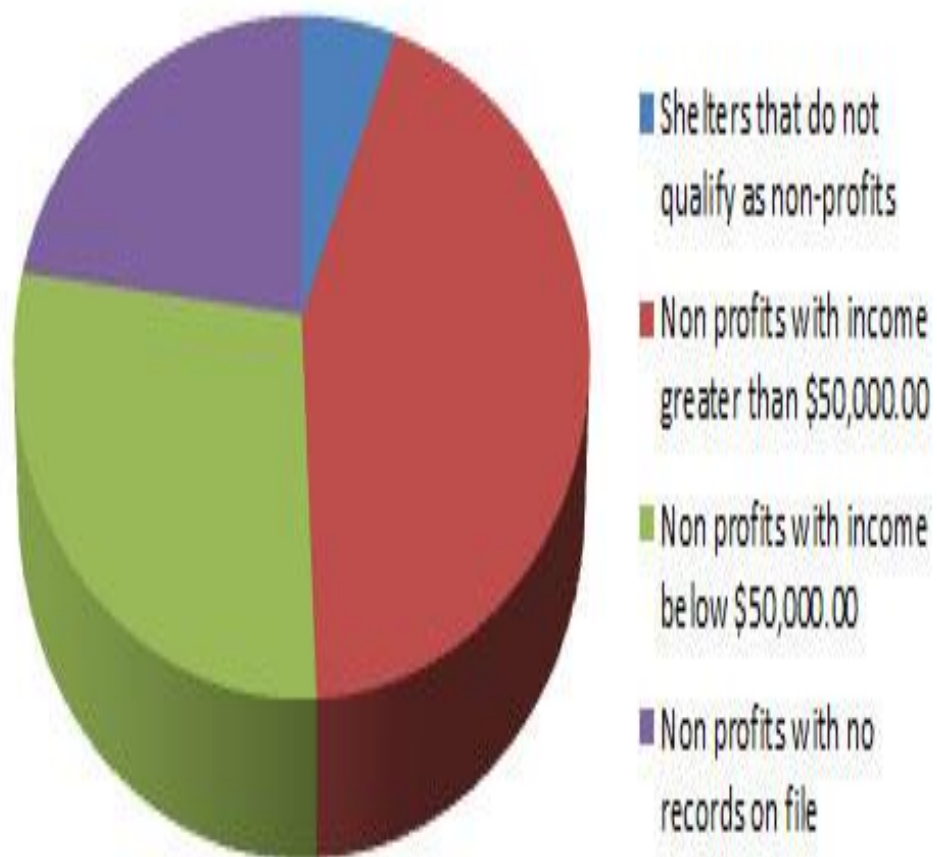
Transportation of animals: The transportation of animals is the intentional movement of animals by transport. Common categories of animals which are transported include livestock destined for sale or slaughter; zoological specimens; laboratory animals; racehorses; pets; and wild animals being rescued or relocated..

Wildlife rehabilitation is the treatment and care of injured, orphaned, or sick wild animals so that they can be released back to the wild.





BREAKDOWN OF CALIFORNIA NON-PROFITS WITH THE IRS



CAREERS IN THE ANIMAL INDUSTRY / ANIMAL ENTREPRENEURSHIP

entrepreneurship means being able to take action and having the courage to commit and persevere through all of the challenges and failures. It is a struggle that an **entrepreneur** is willing to battle. It is using past experiences and intelligence to make smart decisions.



- 1) They are in-tune with their passion.
- 2) They are always questioning how it can be done better
- 3) Optimistic about all possibilities
- 4) They take calculated risks
- 5) Above all, they execute

What can middle school students do now to prepare for a future in Animal related careers?

Volunteer!



Attend Interviews



Join a webinar



Discussion > Q & A

What was the key to your success?

How did you get to where you are now?

What does your work site look like?

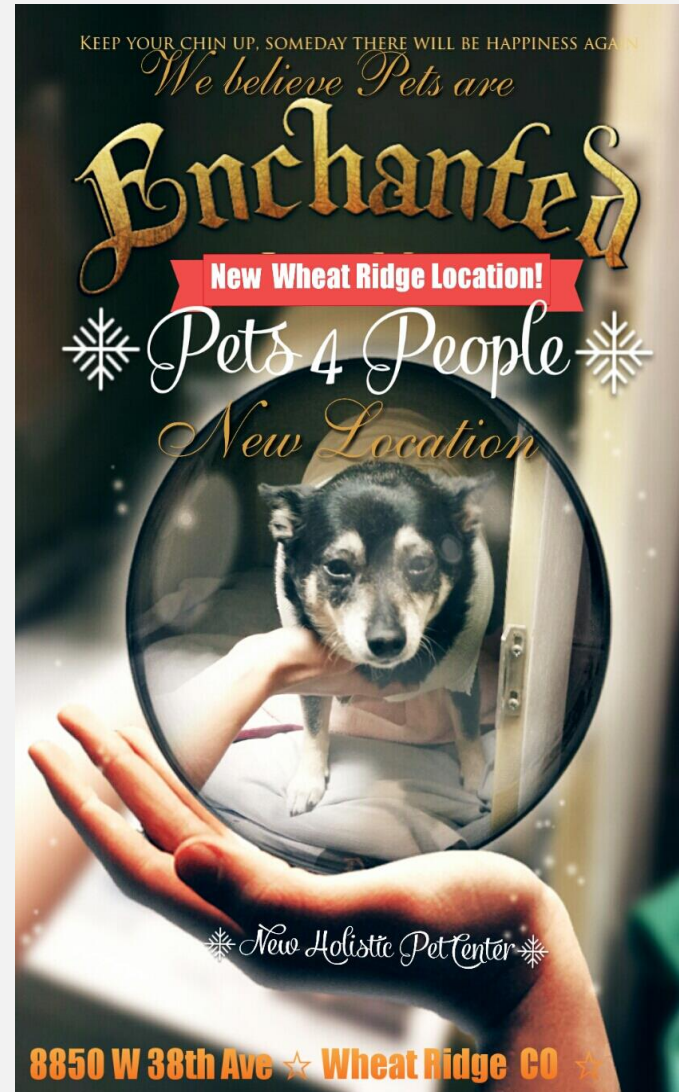
What activities could the students try to practice skills that you use everyday?

Advice for how to choose a career.

Ways in which to prepare for a career starting in Middle/High School.

Get a realistic look at what the workforce is like.

Ways that people have found success.



Denver Holistic Center
& Pets 4 People
303.433-8835

