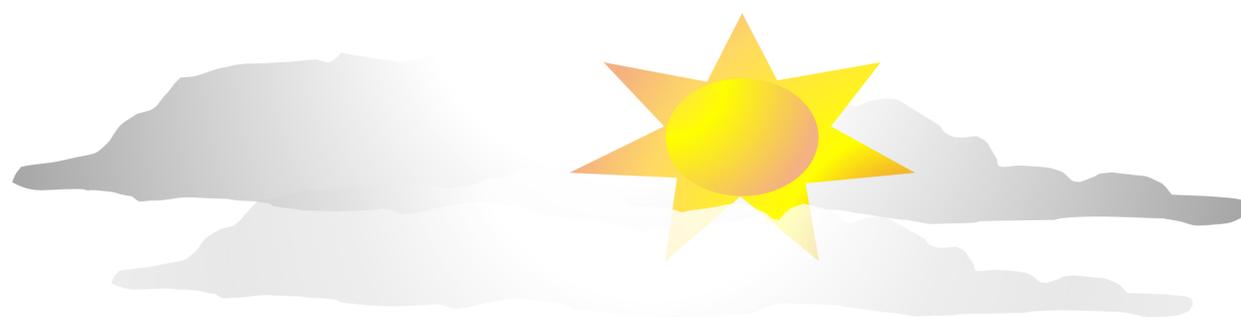
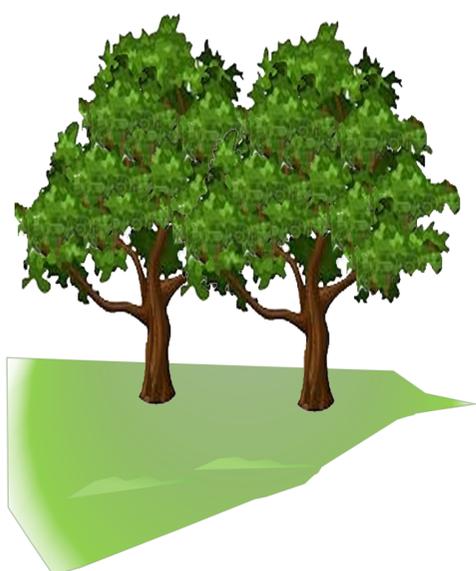


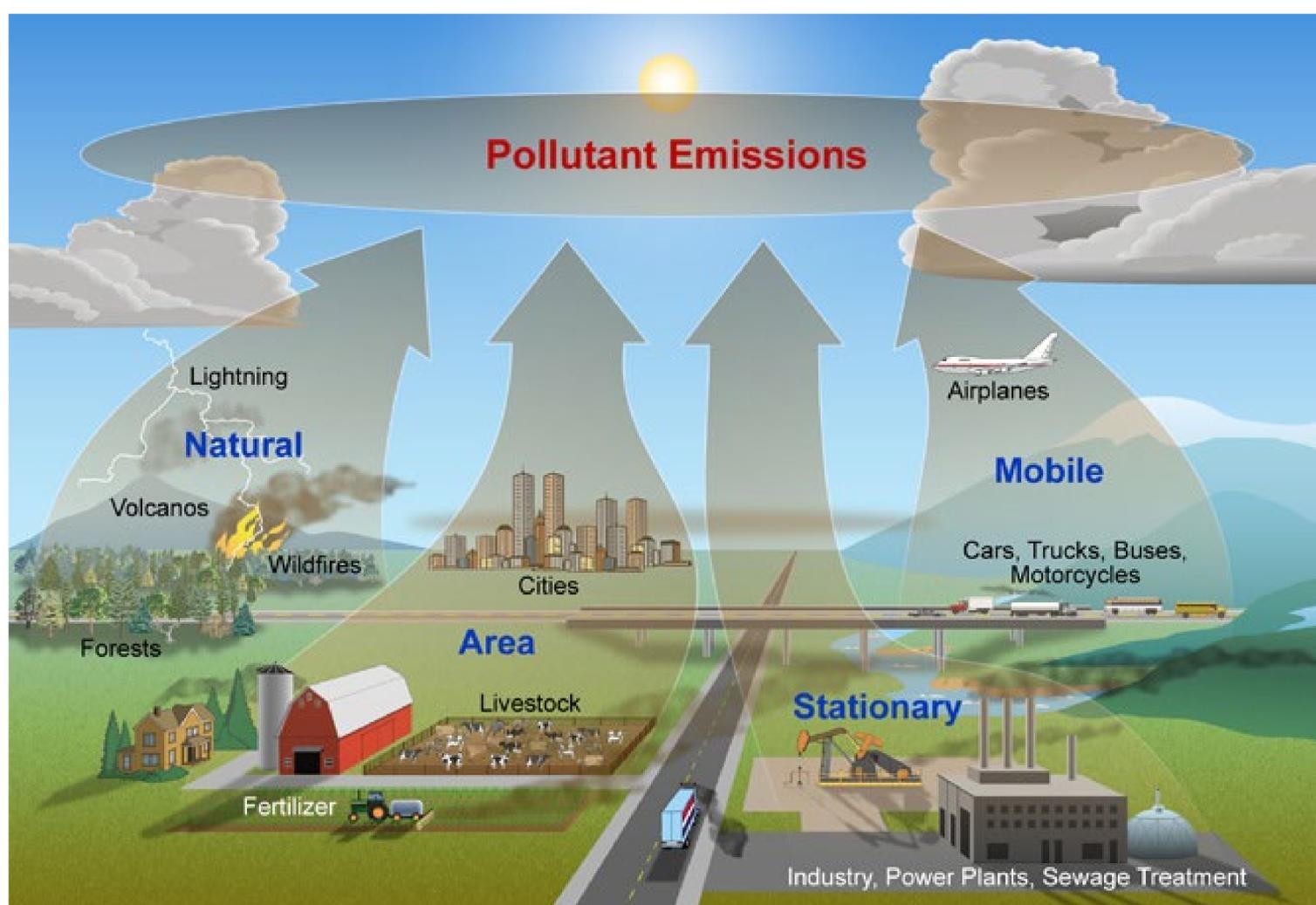
# AIR QUALITY SCIENTIST

Air Quality Scientists monitor the air and regulate emissions so we can all breathe. Air Quality Scientists help businesses throughout the County comply with greenhouse gas emission limits called state and federal Air Quality Standards. Ventura County Air Pollution Control District scientists educate the public on ways to reduce air pollution. Every minute of every day, they use special scientific equipment in six places to measure air pollutants we cannot see.



California Environmental Protection Agency

 **Air Resources Board**



# FIELD BIOLOGIST / ECOLOGIST

Field Biologists study plants and animals in natural and man-made habitats. Ecologists study the relationships of plants and animals to each other and their environment. They both collect, map, and analyze data to determine if man's activities will harm or help plants and animals.



**BOTANISTS**  
study  
**PLANTS**

**ICHTHYOLOGISTS**  
study  
**FISH**



**ENTOMOLOGISTS**  
study  
**INSECTS**

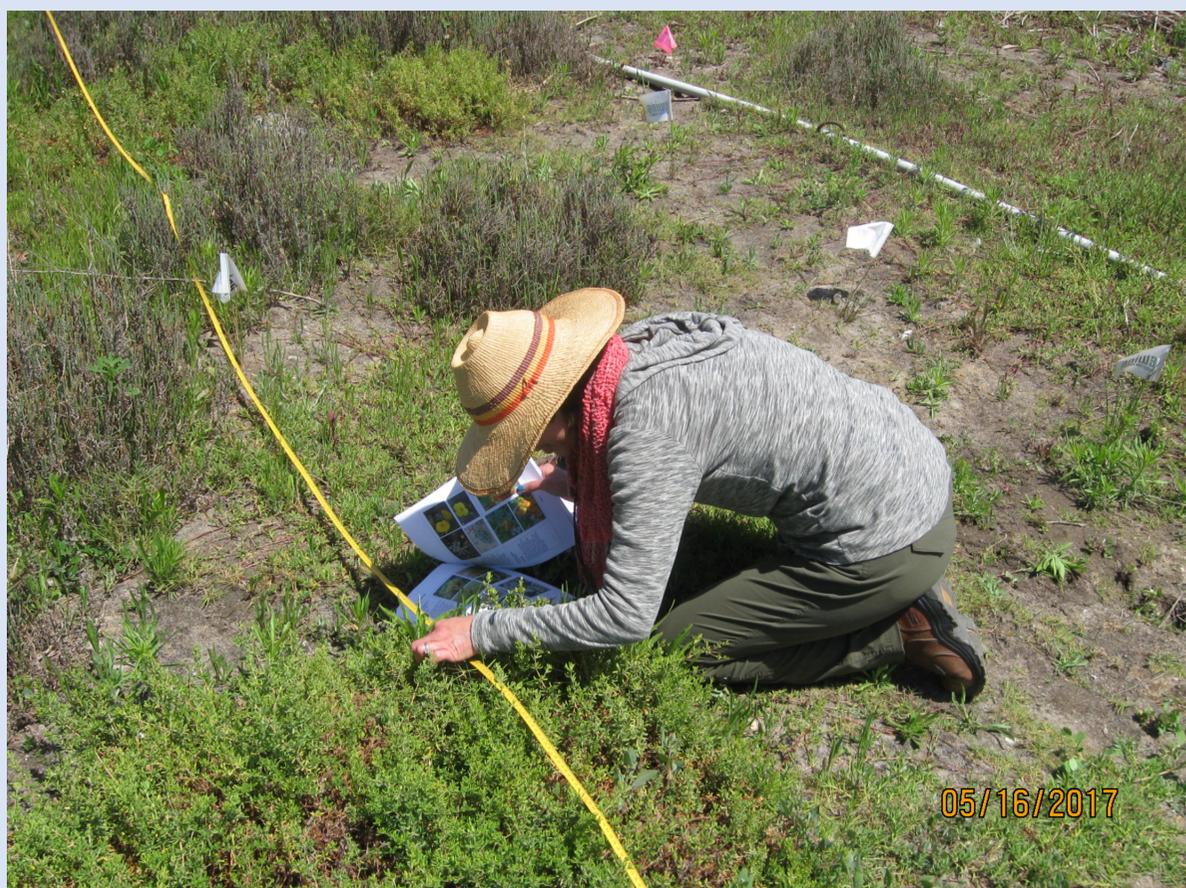


**MAMMOLOGISTS**  
study  
**MAMMALS**



**HERPETOLOGISTS**  
study  
**REPTILES and AMPHIBIANS**

**ORNITHOLOGISTS**  
study  
**BIRDS**



Identifying plant species is one of the primary duties of a Field Biologist / Ecologist. Plant guides are essential 'tools of the trade' in this line of work.

# PARK RANGER

Park Rangers ensure that our local, State, and National parks are beautiful places for recreation, while protecting the park's natural resources, plants, and animals. Park Rangers patrol park facilities, lead hikes, educate visitors about history, plants, and wildlife, and enforce rules to keep everyone safe. Ventura County parks have hiking trails, camping, golf, sports fields, dog runs, picnicking, and beaches.



If you enjoy being outside and preserving the natural environment for all to enjoy, become a steward of the environment by becoming a Park Ranger!

# LAND USE / ENVIRONMENTAL PLANNER

Land-Use Planners use science to help communities decide how to best use land. They study geography and demographics to determine where farms, neighborhoods, factories, and shopping centers should go; Prevent adjacent incompatible lands uses- a noisy factory should not be next to a school; and plan open space connections so animals can travel safely from place to place.

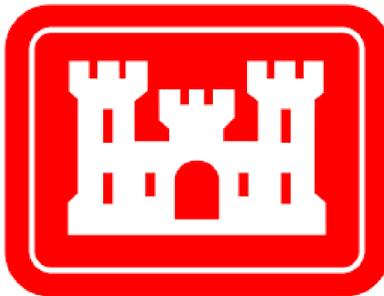


**Geography:** the study of Earth's physical features and how they affect the distribution of people, plants, wildlife, water, and other natural resources.

**Demographics:** scientific study of the number, characteristics, and distribution of people and cultures.

# ENVIRONMENTAL LAW REGULATOR

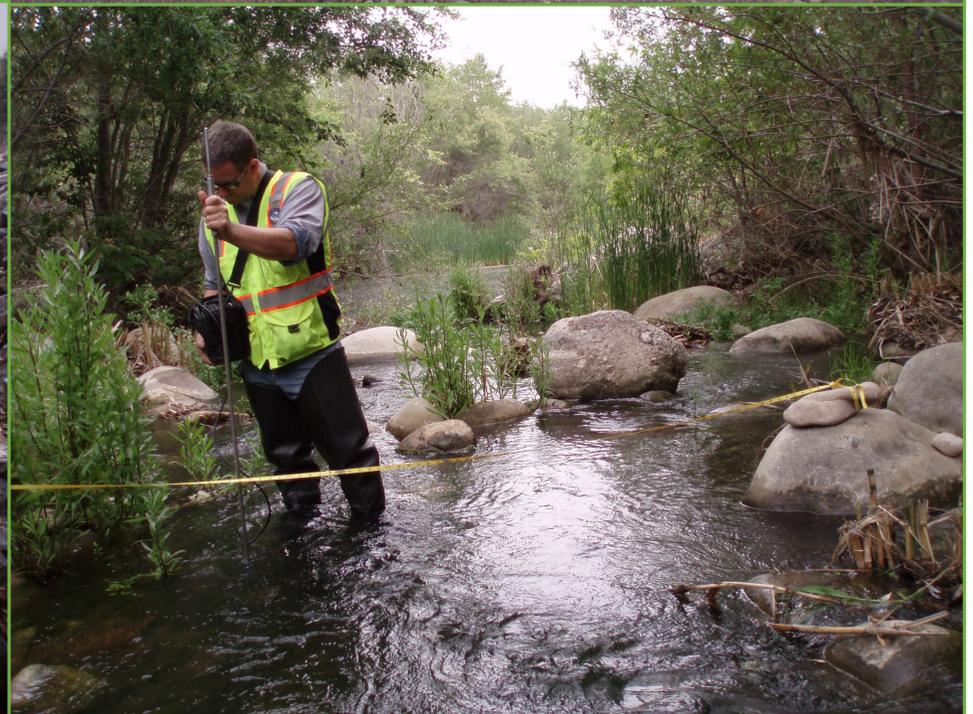
Local, State, and Federal environmental laws protect our water, air, food, as well as wildlife and natural habitats. The laws were enacted because scientists determined man-made (anthropogenic) activities harmed the resources we depend on. Environmental Regulators are scientists which help business and communities comply with these laws, as well as find new technologies to keep our environment clean and safe for people and wildlife.



LAWS	REGULATORS
Clean Water Act (1972)	United States Army Corps of Engineers
Federal Endangered Species Act (1973)	United States Fish and Wildlife Service & National Oceanographic and Atmospheric Administration
Rivers and Harbors Act (1899)	United States Army Corps of Engineers
Porter Cologne Water Quality Act (1969)	State and Regional Water Quality Control Boards
California Environmental Quality Act (1970)	City, County, State Agencies
California Fish and Game Code	California Department of Fish and Wildlife
California Endangered Species Act (1970)	California Department of Fish and Wildlife
California Coastal Act (1976)	California Coastal Commission

# WATER QUALITY SCIENTIST

Water Quality Scientists study how land uses around a creek, river, or lake affect water quality; how rain runoff washes pollutants such as car oil, fertilizer, and animal waste into our rivers and streams; and the benefits of having water treatment plants. They collect water samples and test them for pollutants, Dissolved Oxygen, pH, and Conductivity.



By testing analyzing the water found in our rivers, lakes, and streams, Water Quality Scientists measure the overall health of our watersheds.