

Mix and Match Ecology: Human Impact

Mix and match as many combinations as you can. Choose a **human action**, think how it might affect a nearby **ecological community**, and which **natural resource** might be threatened as a result. Get creative! Feel free to make up any extra information you need to in order to make each of your mix-and-match combinations fit together.

HUMAN ACTION

Rancher's cows eat grass and excrete cow patties

Parking lot is built with impervious paving materials

School group tours local state park

Factory uses water to cool its machinery

High rise apartment building is built

Farmer fertilizes his/her crops

Student takes a load of trash (including his/her old computer) to the dump

New highway is built

Speedway holds loud races every Friday night

Furniture factory has high levels of chemical emissions

ECOLOGICAL COMMUNITY

Conifer forest

Freshwater pond home to turtles, snails, frogs, trout, etc.

Deciduous forest in an area that receives moderate rainfall

The decomposers in a cubic foot of soil

Salt-water marsh where migrating birds stop to fish

Grassland home to prairie dogs and American bison

Shoreline full of rocky tide-pools home to limpets, starfish, anemones, etc.

The organisms living in the water and shore of a medium-sized mountain river

NATURAL RESOURCE

Clean air

Clean fresh water

Nutrient-rich, pH-balanced soil

Climate (in an area where tourism drives the economy)

Wildlife (for fishing, hunting, photographing, or inspiring)

Timber for harvesting

Sunlight

Moving water (for beauty, hydroelectric power, or recreation)

Mineral deposits