

Name: _____

Environmental Change and Populations

Mix and Match Ecology: Human Impact

Choose THREE different human actions. For each human action record which ecological community is would affect and how it would affect that community. Also record which natural resource would be threatened as a result.

<u>HUMAN ACTION</u>	<u>ECOLOGICAL COMMUNITY</u>	<u>NATURAL RESOURCE</u>
Rancher's cows eat grass and excrete cow patties	Conifer forest	Clean air
Parking lot is built with impervious paving materials	Freshwater pond home to turtles, snails, frogs, trout, etc.	Clean fresh water
School group tours local state park	Deciduous forest in an area that receives moderate rainfall	Nutrient-rich, pH-balanced soil
Factory uses water to cool its machinery	The decomposers in a cubic foot of soil	Climate (in an area where tourism drives the economy)
High rise apartment building is built	Salt-water marsh where migrating birds stop to fish	Wildlife (for fishing, hunting, photographing, or inspiring)
Farmer fertilizes his/her crops	Grassland home to prairie dogs and American bison	Timber for harvesting
Student takes a load of trash (including his/her old computer) to the dump	Shoreline full of rocky tide-pools home to limpets, starfish, anemones, etc.	Sunlight
New highway is built	The organisms living in the water and shore of a medium-sized mountain river	Moving water (for beauty, hydroelectric power, or recreation)
Speedway holds loud races every Friday night		Mineral deposits
Furniture factory has high levels of chemical emissions		

Human Impact One

Human Impact Two

Human Impact Three

