

MIX & MATCH ECOLOGY BROCHURE: HUMAN IMPACT

Name: _____

Instructions: Create an ecology **BROCHURE** (Fold into 3 sections front and back each – Total of 6 sections) by mixing and matching **six (6)** of the following combinations listed below. *One complete combination will contain one description from each of the three categories.* Get creative! Feel free to make up appropriate extra information within each category in order to make each of your mix-and-match combinations fit together.

Creating a Combination:

- 1) Choose a **Human Action**
- 2) Choose a nearby **Ecological Community** – Think about how this community might be **negatively** impacted by the human action
- 3) Choose a **Natural Resource** – Think about how this resource might be **negatively** impacted by the human action that is occurring within this chosen community

Answer and illustrate for EACH of the six (6) combinations:

- 1) Describe **AND** illustrate (*and colored*) the natural **habitat**/community
- 2) Describe/explain the **necessity** for the human action/activity
- 3) Describe/explain the possible **negative** impacts on the natural habitat/community caused by the human action/activity
- 4) Describe/explain the possible ways to **prevent** as many of those negative impacts as possible

HUMAN ACTION	ECOLOGICAL COMMUNITY	NATURAL RESOURCE
Rancher's cows eat grass and excrete cow patties	Coniferous forest	Clean air
Parking lot is built with impermeable paving materials	Freshwater pond that is home to turtles, snails, frogs, trout, etc.	Clean fresh water
School group tours the local state park	Deciduous forest in an area that receives moderate rainfall	Nutrient-rich; pH-balanced soil
Factories use water to cool down its machinery	Decomposers in a cubic foot of soil	Climate (in an area where tourism drives the local or state economy)
High rise apartment buildings are constructed	Saltwater 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/wood for harvesting
Student takes load of trash (including his/her old computer) to the local dump	Shoreline full of rocky tide-pools home to starfish, sea anemones, jellyfish, etc.	Sunlight; solar energy
New highway is built nearby a large neighborhood	Organisms living in the water and shore of a medium-sized mountain river	Moving water (for drinking, hydroelectric power, or recreation)
Local car speedway holds loud races every Friday night		Mineral deposits
Furniture factory produces high levels of chemical emissions		