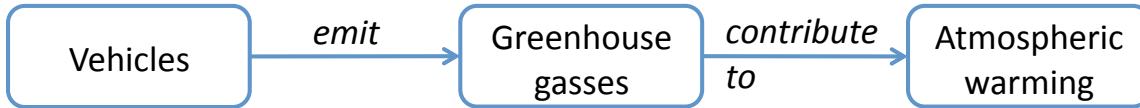


Name: _____ Group: _____

Concept Modeling Assessment

Gene-to-Protein Model (10 pts)

In a box-and-arrow model, **structures** represent concepts or nouns that are linked by **behaviors**. Behaviors are short phrases or linking words (usually verbs) that clearly and concisely describe the relationship between structures. For example:



In the space below, construct a box and arrow model that shows how genes result in the production of proteins and corresponding phenotypes (traits). Use the following structures in your model: **phenotype, nucleotides, gene, amino acid, protein**. Be sure to include appropriate words and phrases for the behaviors in your model.