



Upper Academy

7th Grade Science

Summer 2025 Home Learning

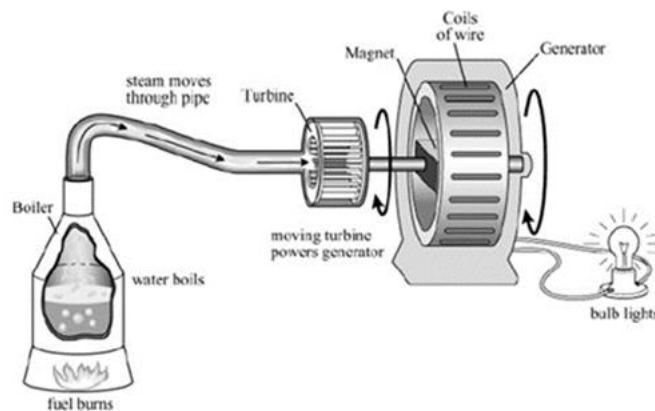
Name: _____

Date: _____ Period: _____

Summer Home Learning Assignment for Comprehensive Science II

Answer the following questions, in your own words. Type all responses and submit to your respective Comprehensive Science II teacher.

1. Think back to your science fair project last year. What problem were you trying to solve? How did you test your hypothesis? What was your TEST (independent) variable and OUTCOME (dependent) variables? What were your constants? What conclusions did you reach?
2. Sketch the steps of the rock cycle and label accordingly.
3. The Everglades is a unique ecosystem in South Florida. Create a food web using organisms found in the Everglades. Use arrows to show how energy is flowing throughout the food web. Label any animals involved in a predator-prey relationship.



4. The diagram above shows how energy is transformed in a power plant. During this entire process, energy is transferred from one form to another several times. Describe **four** energy changes that occur during the process.