

Gilligan's Island Energy Quiz

NAME _____

While you watch the episode record some notes about the energy concepts involved. There will be two concepts addressed on the following summative assessment.

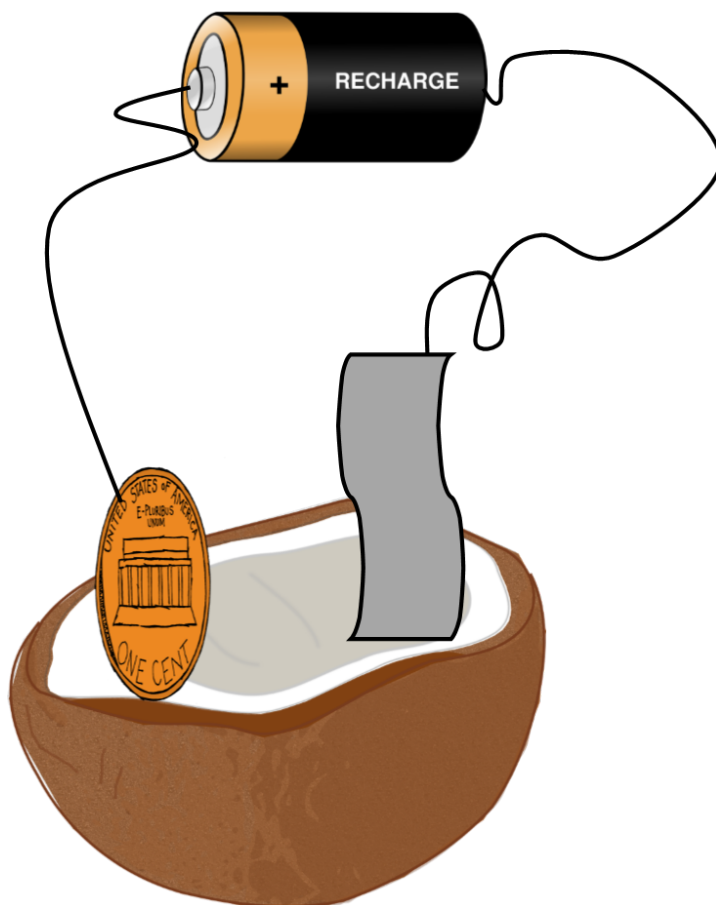
- 1.) Electricity (batteries)
- 2.) Energy transformation or conversion (missile)

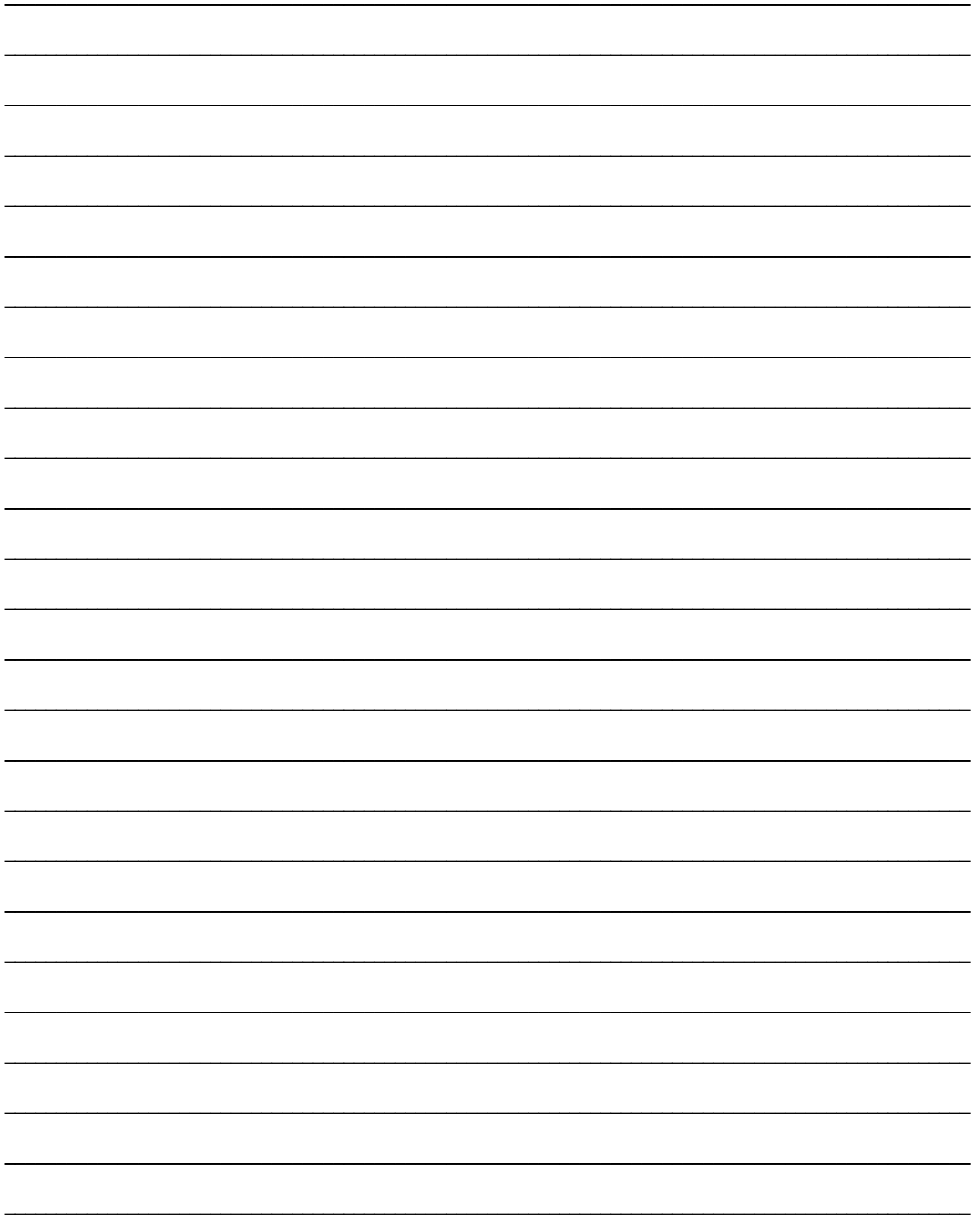
Notes:

Materials	Procedure	Terms

Electricity (the professor's coconut battery charger)

- 1.) Describe the process by which the professor charges the rechargeable batteries for the radio using as much detail as possible (this can be done in writing or by annotating the graphic provided). Make sure you include the materials, their arrangement, and the reasoning behind the set up.
- 2.) Explain whether or not you think this would work in real life. Make sure to include as much detail as necessary to make a good argument. Describe how charging a battery works and use this information to **support** your claim. Prove to me you know how a battery in an electric circuit works! Attach additional pages if necessary.





Energy transformation / conversion (the incoming missile test)

Describe the energy transformations that occur from the launch of the missile all the way until it lands in the lagoon. What kinds of energy are used, what sources of energy are used, how is energy transferred within this system. Be as detailed and complete as possible. You may do this by annotating the graphic provided or in writing. Attach an additional sheet if necessary.

