

Name _____ Period _____ Date _____



Charge

STEM Sims

Lesson 1: I Need More Power!

Modern electronics require constant supplies of electrical energy. Inventors have created a number of new and innovative ways to supply these energy needs. But are some of their inventions better at providing energy than others? It's up to you to get charged up to find the best power supply.

Doing the Science

1. Start the Charge! simulation by clicking on the "Sim" tab.
2. Click on one of the power sources (chargers) located at the top of the screen.
3. Note and record in Table 1 information about the charger. Make sure to list technical and descriptive information about the charger.
4. Repeat steps 2 – 3 until all of the chargers are tested.

Table 1. DC Sources Power

Charger	Description and Technical Information

Do You Understand?

1. Which power supply (charger) did you rate as being the best? Please explain how and why you made your selection of this particular charger as the most effective charger.