

Name _____ Period _____ Date _____



Super Cells

STEM Sims

Lesson 2: Digital Camera Charge

Digital cameras are bulkier and require more energy than smaller electronics like MP3 players. Even though the two types of electronics may be able to use the same battery for the same price, the time the charge lasts will be different.

Doing the Science

1. Start the Super Cells Simulation by clicking on the “Sim” tab.
2. Click on the digital camera on the right of the top shelf.
3. Click on Battery A and click the Test button.
4. Next, record the cost, type, and mWh in the Table below.
5. Repeat steps 3 and 4 for each Battery until you’ve completely filled out Table 1.

Table 1.

Battery	Cost (\$)	Battery Type	mWh	Battery	Cost (\$)	Battery Type	mWh
A				N			
B				O			
C				P			
D				Q			
E				R			
F				S			
G				T			
H				U			
I				V			
J				W			
K				X			
L				Y			
M				Z			

Do You Understand?

1. For the digital camera, which battery lasts the longest? The shortest?