

Name _____ Period _____ Date _____



Super Cells

STEM Sims

Lesson 3: Cost-effective

When choosing a battery, it is important to consider not just which battery provides the longest charge, but which one provides the longest charge for the least amount of money. In order to determine the best option, you need to make one side of the equation standard so that you are not comparing apples to oranges.

Doing the Science

1. Transfer the applicable data (cost and mWh) from Lesson 1 Table 1 into the table below.
2. Perform the calculations for the remaining columns (mWh/Cost). Round your answers to the nearest hundredth.

Table 1.

Battery	mWh	Cost (\$)	mWh/Cost	Battery	mWh	Cost(\$)	mWh/Cost
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. Which battery provides the highest mWh for the lowest price?
2. Which battery is the worst deal?