

Name: _____ Period: _____

Activity: PowerGrid WebQuest

Part 1-2: Understanding Parts of the PowerGrid

As you work through the PowerGrid Webquest Part 1 and Part 2 and learn about the power grid, fill in the graphical organizer below summarizing and taking notes on your learning.

Part of PowerGrid:	Main Purpose:
Details:	

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Details:	

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Details:	

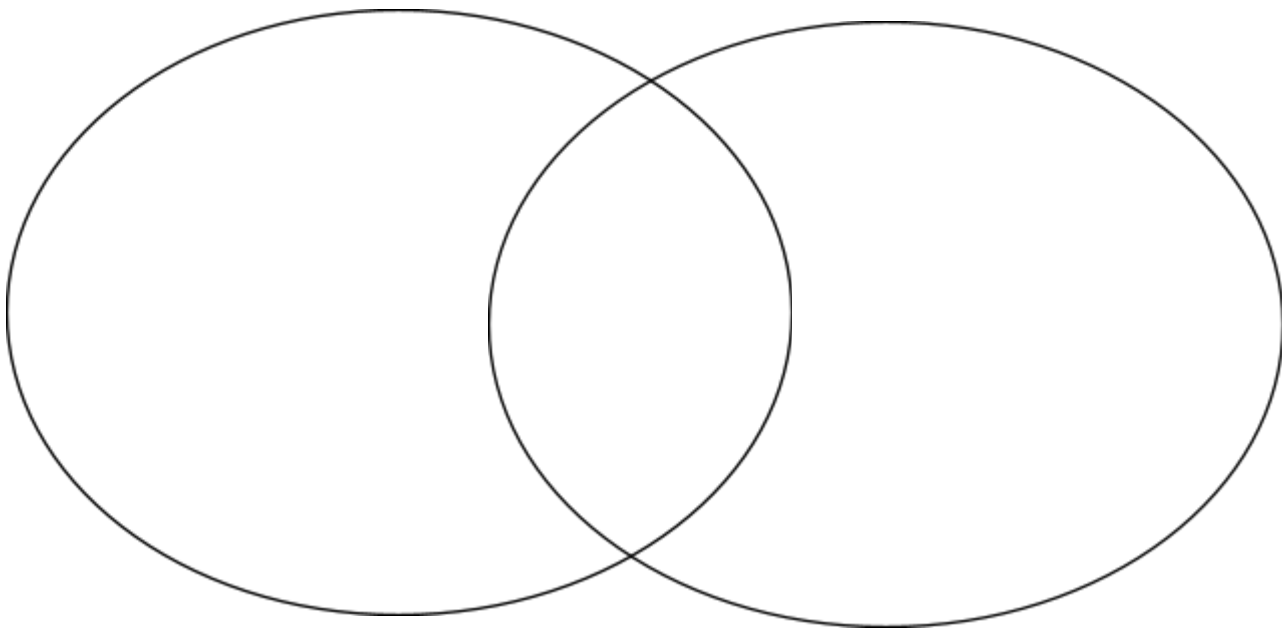
Part of PowerGrid:	Main Purpose:
Details:	

Part 3: Development of the PowerGrid, War of Currents

1. Timeline of Development of PowerGrid in United States. Fill out the timeline below with at least 5 key dates in the development of the Power Grid.



2. Compare and Contrast alternating current vs direct current. What are the benefits of each?



Extension: Distribution of Electricity in Home

Even within your home and devices, the electricity distributed to your device may not be the same as the electricity coming from wall outlet. Your task is to find at least 3 transformers used for your devices. Record the input voltage and current and output voltage and current.

Device	Input	Output
<i>Cube for USB Chargers</i>		

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