



Intro Activity 2 - Electricity Concept Maps

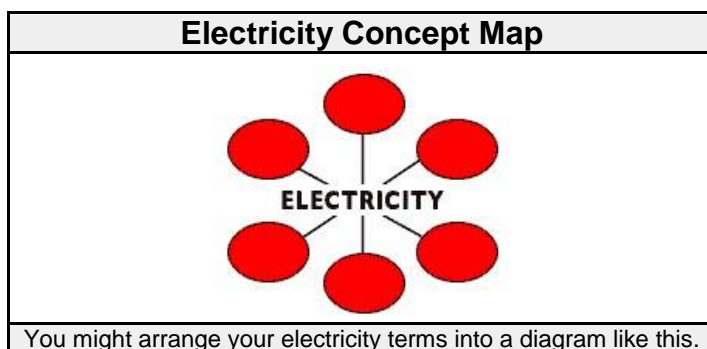
Task 1a. Think and List. Time - 60 seconds. Group Size – Individual.

Think about all your electricity needs and uses, including at home, school, and play. List key words on a piece of scratch paper until time is called.

Task 1b. Write It Up! Time - 9 minutes. Group Size – Individual.

Write one page describing how you use electricity, including devices you use at home, school, and play. Refer to your key words from above.

Task 2a. Concept Map It! Time - 20 minutes. Group Size – 4-6 students.



Write down every word you can think of about electricity and power on small sticky notes, one word per note. As a group, place the words in clusters on poster paper the way you think they're related. Circle or box off the clusters (in light pencil) and name them with categories (something they all have in common). Make sure all group members get a chance to suggest a category.

Task 2b. Search for More Ideas. Time - 2 minutes. Group Size – Individual.

Split up and visit the other groups and find additional words and category ideas you didn't think of.

Task 2c. Re-Map It! Time - 5 minutes. Group Size – 4-6 students

Add to and rearrange your concept map as needed to incorporate the new words. Each group's concept map should be unique. Finalize groupings with bold markers. Post map.

Task 2d. Revisit the K-W-H-L Chart. Time - 5 minutes. Group Size – Whole Class.

Now is the perfect time to return to the previous day's K-W-H-L chart and ask yourself, "What do I WANT to know about electricity?" and "HOW might I find out?" Volunteer your responses for the class chart.

K-W-H-L Chart

What do you <u>K</u> NOW about electricity?	What do you <u>W</u> ANT to know?	HOW will you find out? (What investigations might you try?)	(After activities) What did you <u>L</u> EARN?

Now you're ready to participate in your *Electric Circuits* eLab!