Modifying Electrochemical Cells /20

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Each question is worth 5 marks. 2 marks for your chart, 1 for your conclusion, and 2 for your graph.

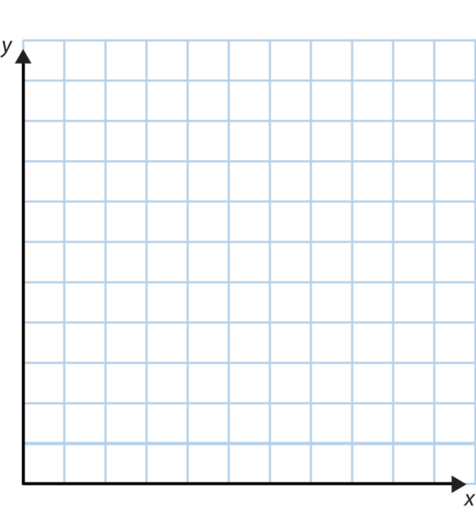
<http://www.learnalberta.ca/content/secsu/html/electrical_principles_and_technologies/ModifyingElectrochemicalCells/index.html>

1. **Type of Electrode:**

|  |  |
| --- | --- |
| Combination of Electrodes | Voltage (V) |
|  |  |
|  |  |
|  |  |

Which combination gave the greatest voltage?

Graph:

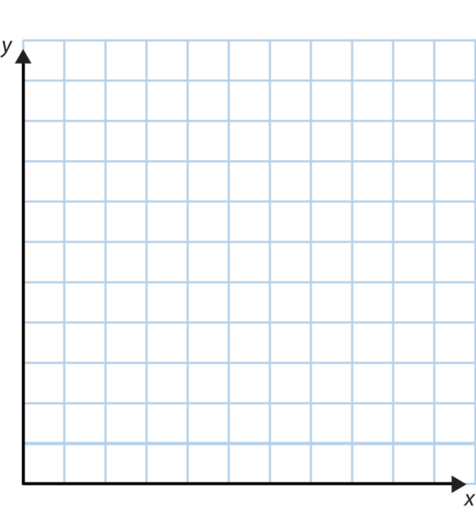


1. **Type of Electrolyte:**

|  |  |
| --- | --- |
| Type of Solution | Voltage (V) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Which Solution was the best electrolyte?

Graph:

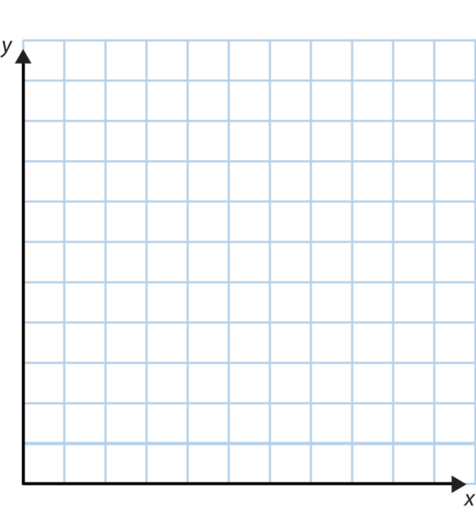


1. **Concentration of Solution:**

|  |  |
| --- | --- |
| % Concentration of Solution | Voltage (V) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

As you increased the % concentration of the solution, what happened to the voltage?

Graph:



1. **Temperature of Solution:**

|  |  |
| --- | --- |
| Temperature (°C) of Solution | Voltage (V) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

How did the temperature affect the voltage?

Graph:

