# ELECTRICAL 103 LIVE

# PARTICIPANTS WORKBOOK



KNOWING WHEN THE JOB IS TOO MUCH...

It's EQUALLY important to know when to call for help as it is to know how to do the job.

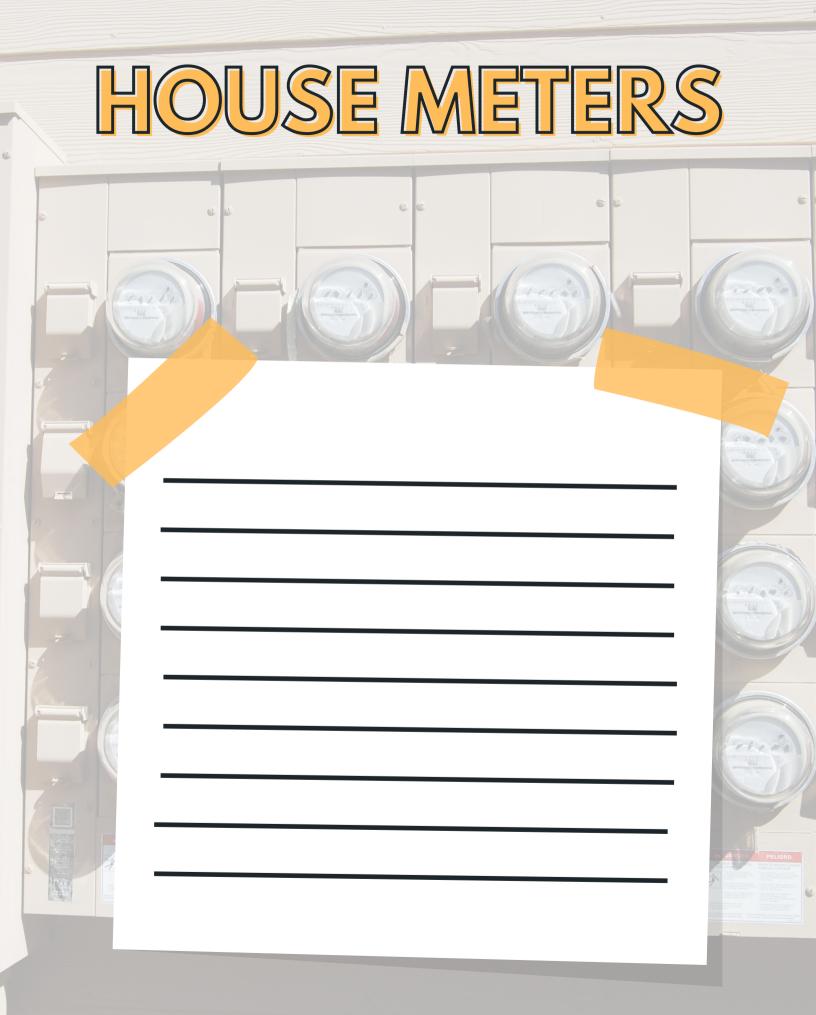
Transformers are a perfect example - DON'T Touch Them! Call your Utility Company and let them handle it.



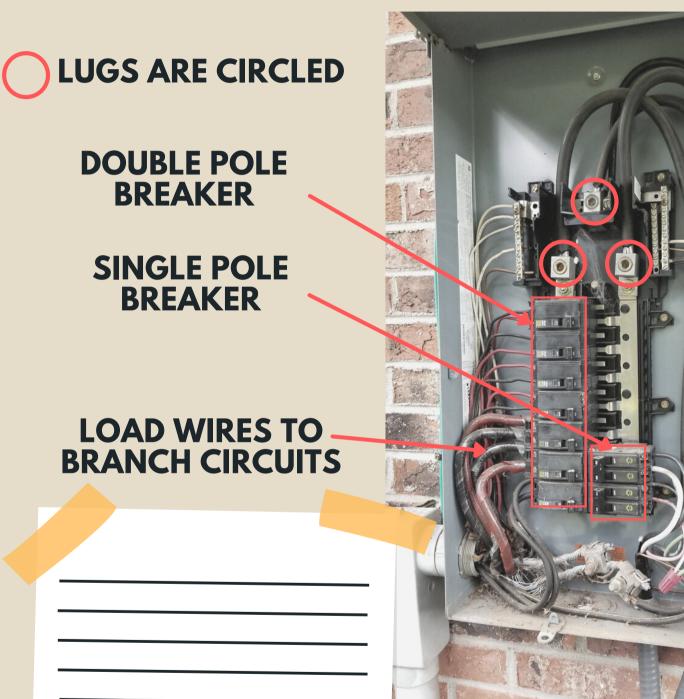
# HOUSE METERS

An electricity meter, electric meter, electrical meter, or energy meter is a device that measures the amount of electric energy consumed by a residence, a business, or an electrically powered device.

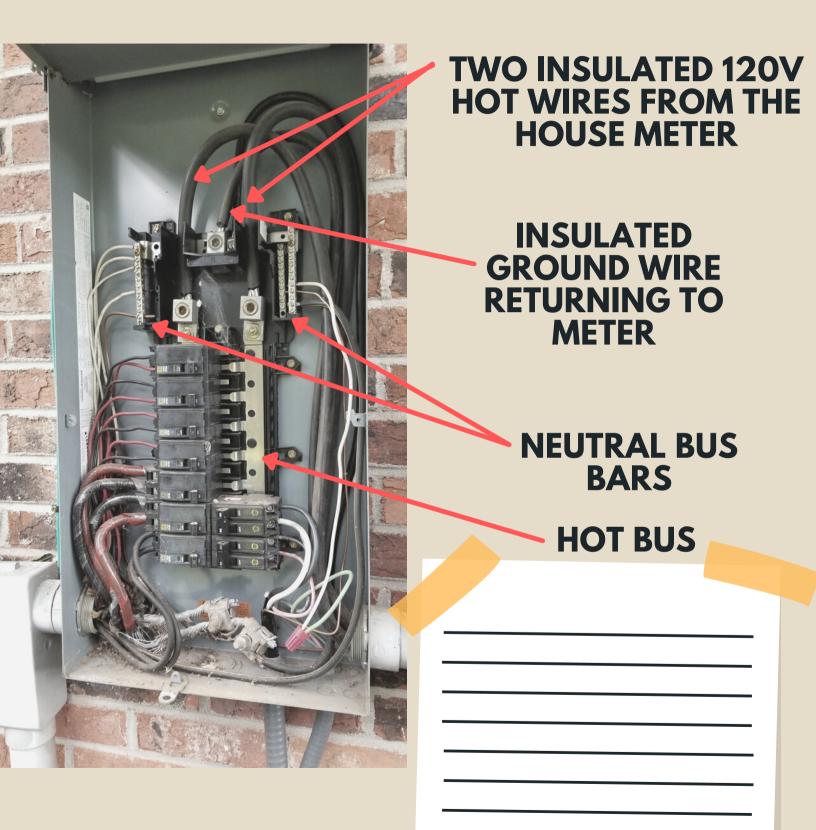




# **Electrical Service Panel**

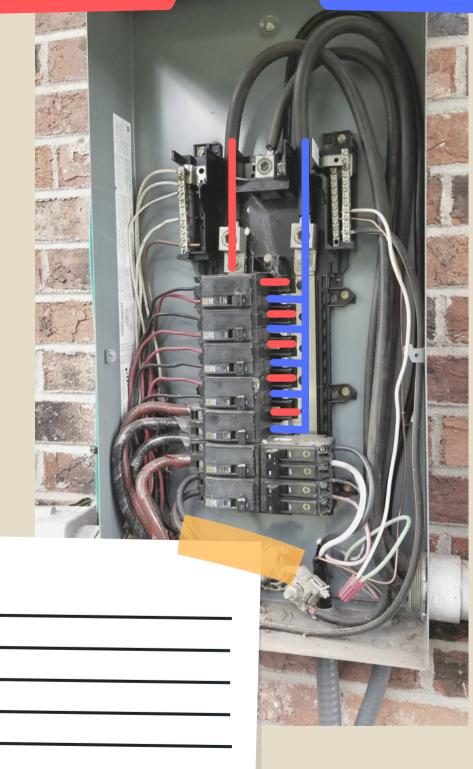


## **Electrical Service Panel**

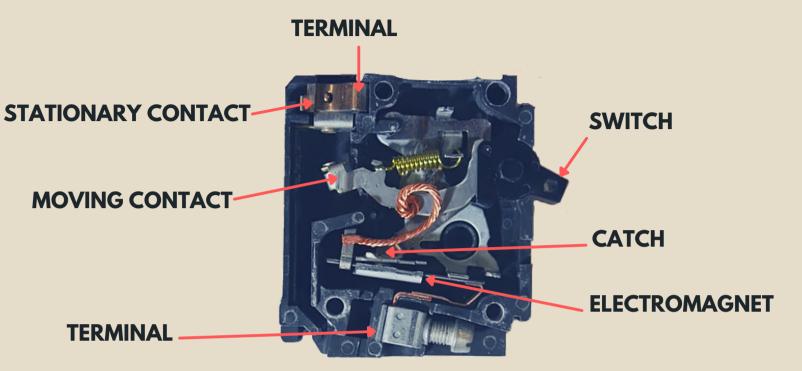


#### THE RED LINE REPRESENTS HALF OF THE HOT BUS

#### THE BLUE LINE REPRESENTS THE OTHER HALF OF THE HOT BUS



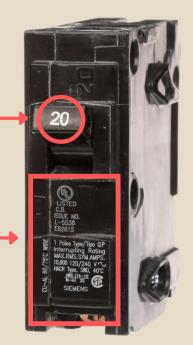
### INTERNAL COMPONENTS OF AN AVERAGE BREAKER



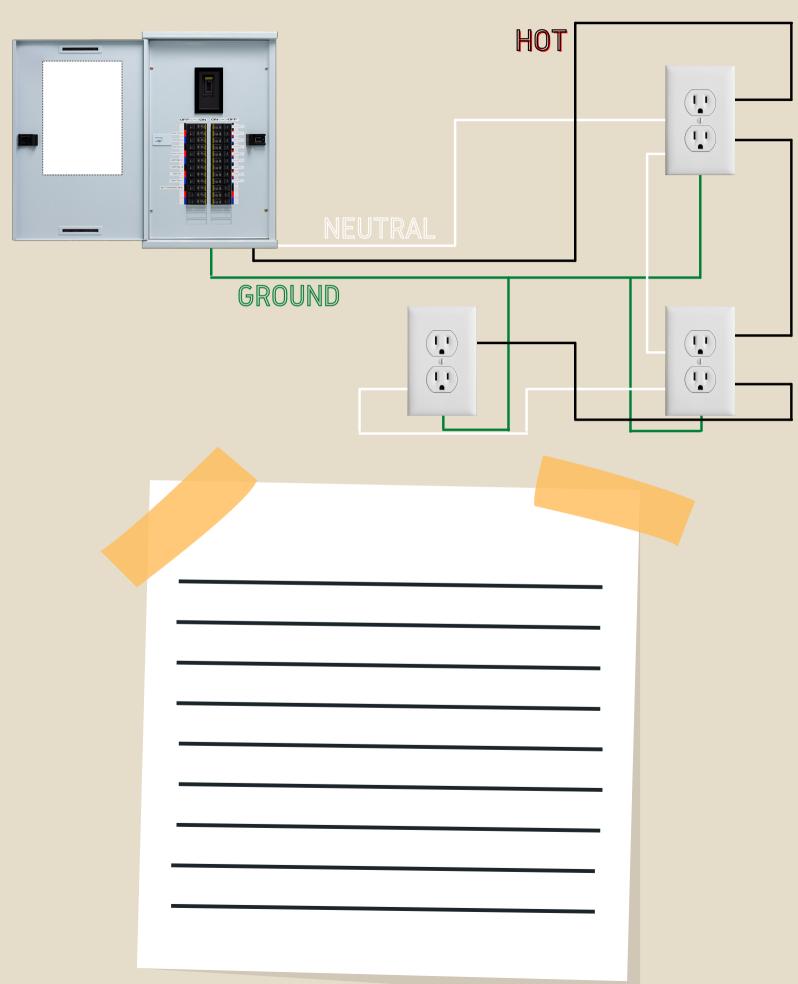
### EXTERNAL COMPONENTS OF AN AVERAGE BREAKER

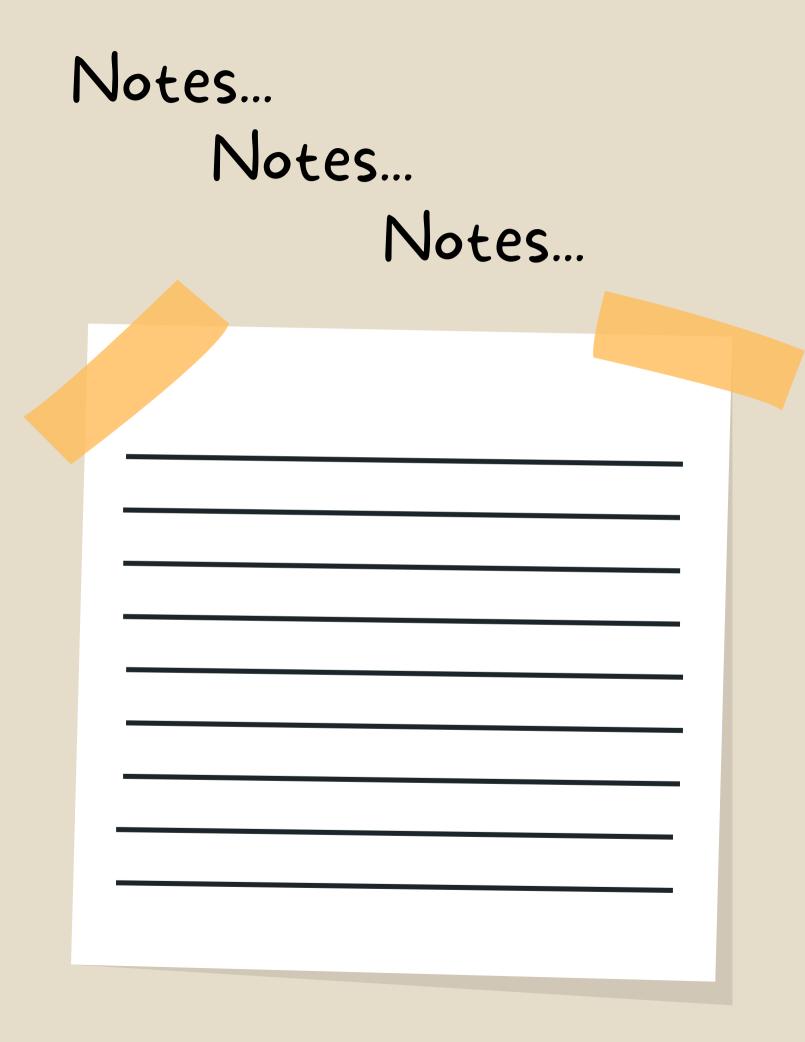
**BREAKER AMPERAGE** 

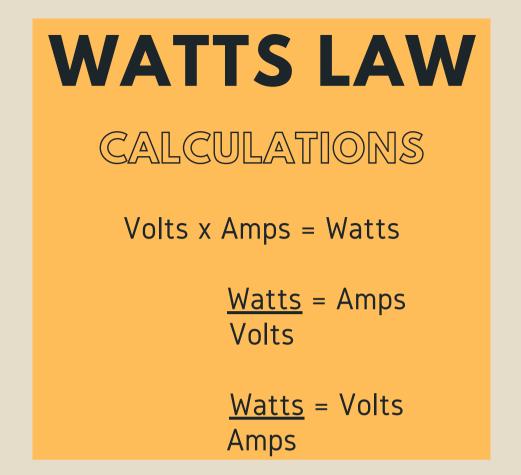
DATA SUCH AS BREAKER TYPE. THIS BREAKER IS TYPE QP.

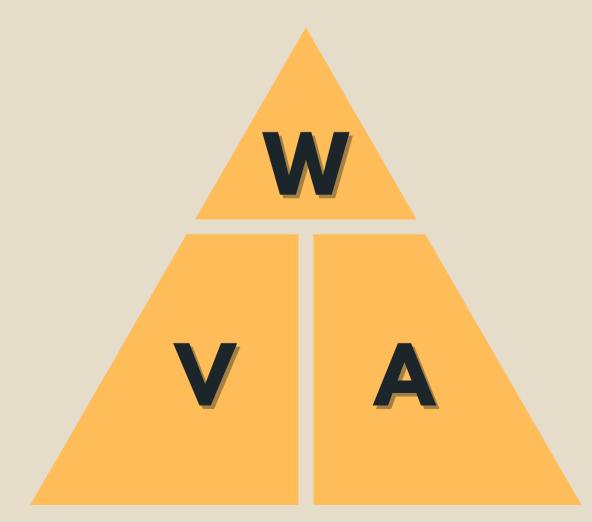


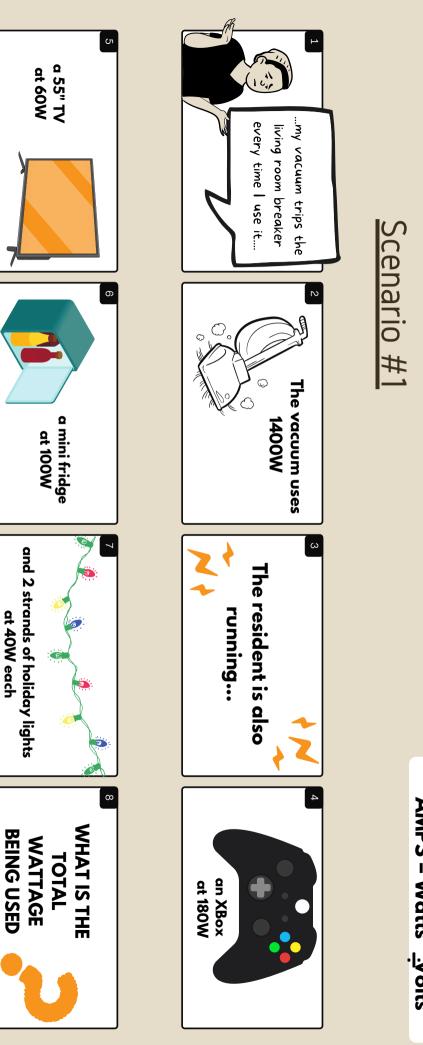
### **BRANCH CIRCUIT**







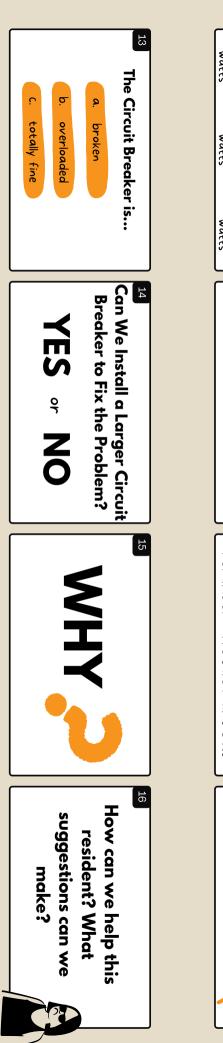


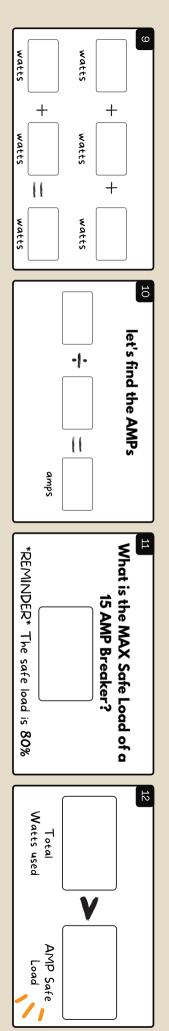


at 40W each

лл LECTRICAL 103 WORKSHEE

WATTS = Volts x Amps 

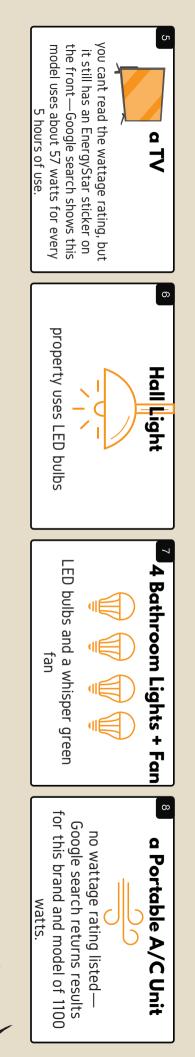


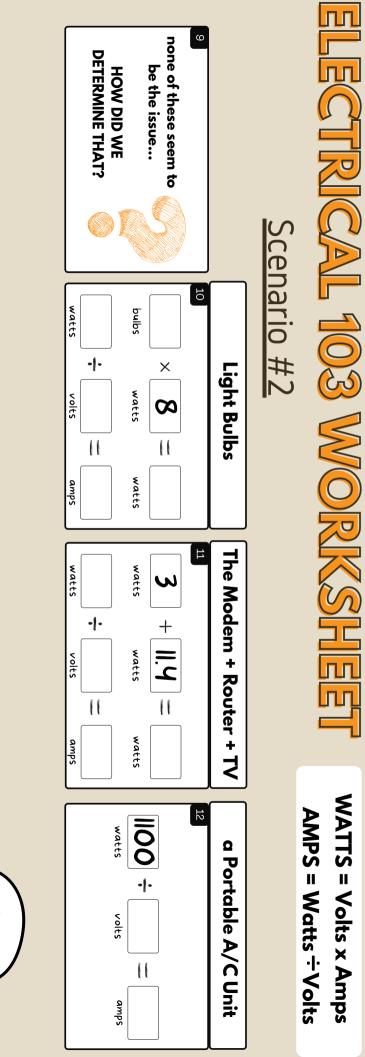




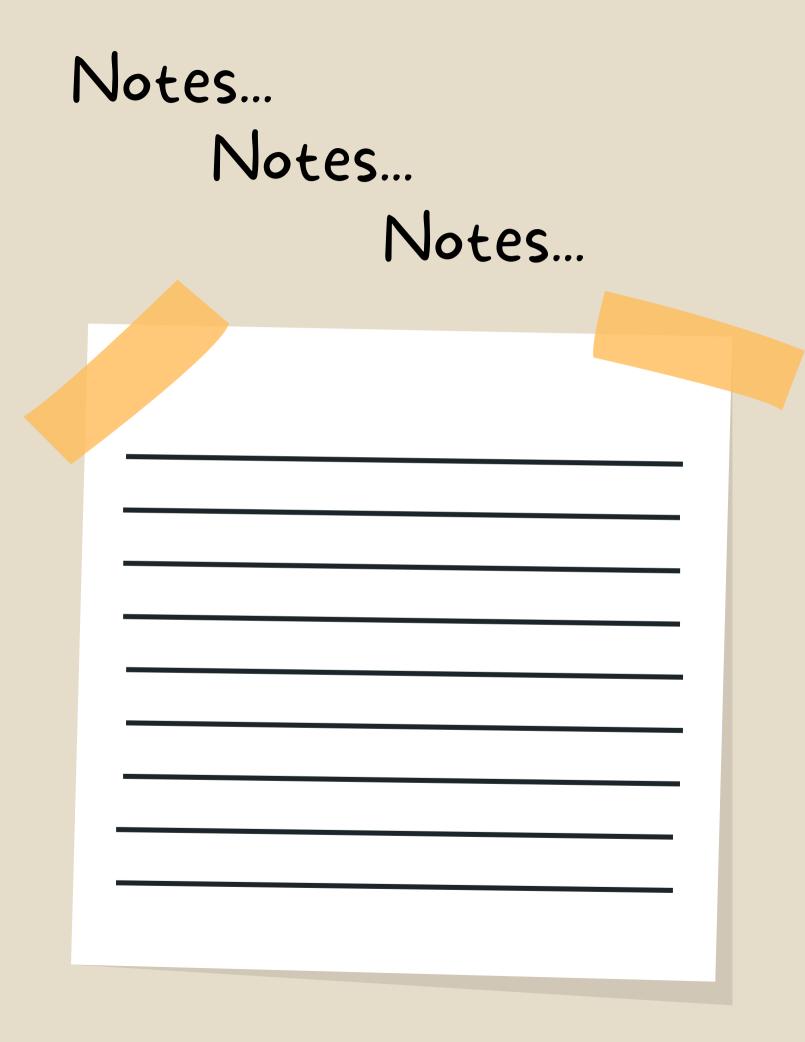
WATTS = Volts x Amps AMPS = Watts ÷Volts











# Thank you for your participation today!