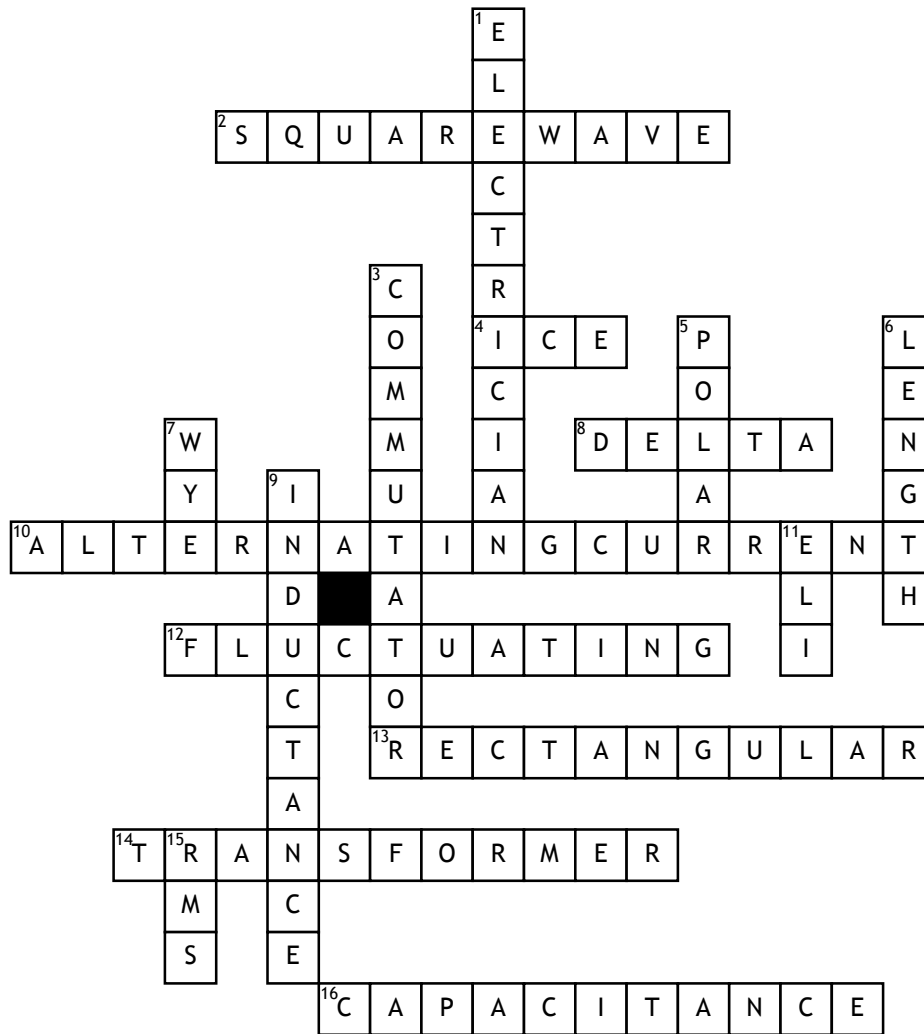


Name: _____

Date: _____

Alternating Current



Across

2. Consists of fundamental and infinite number of odd harmonics
4. Current leading voltage
8. Δ
10. Current flows in both positive and negative directions

12. DC changing constantly from positive to negative

13. $R \pm jX$

14. Electrical device used to either step up or step down voltage

16. XC

Down

1. Worker who works on electrical components

3. A component found in DC motors and not AC motors

5. Z/θ°

6. $= (\text{Resistance} \times \text{Cross sectional Area})/\rho$

7. Y

9. XL

11. Voltage leading Current

15. Effective Values

Word Bank

Square Wave
Inductance
Commutator
Length

Delta
Electrician
Wye
Transformer

Polar
ICE
ELI
RMS

Alternating Current
Rectangular
Capacitance
Fluctuating