

# Alternating Current Key Terms



Here is the key for the fill-in-the-blank questions based on alternating current:

1. **reverses**
2. **cycle**
3. **frequency, hertz (Hz)**
4. **period, T**
5. **amplitude**
6. **RMS (Root Mean Square)**
7. **peak**
8. **instantaneous**
9. **phase difference**
10. **angular frequency,  $\omega$**
11. **capacitive reactance,  $X_c = \frac{1}{\omega C}$**
12. **inductive reactance,  $X_L = \omega L$**
13. **impedance**
14. **resonance**
15. **power factor**
16. **AC generator**
17. **step-up**
18. **step-down**
19. **resonant frequency**
20.  **$P = V_{\text{rms}} I_{\text{rms}} \cos \theta$**
21. **average power**
22. **LCR**
23. **series**
24. **parallel**
25. **oscillating**
26. **alternator**
27. **choke**
28. **Q-factor (Quality)**
29. **harmonic**
30. **Q**