

Soldering Project Quiz

- 1) How does the multivibrator circuit create a square wave?
- 2) What is the frequency of your multivibrator circuit output? **Show a screenshot** and verify the frequency matches with your R and C values.
- 3) **Show a screenshot of your 555 timer IC output.** Can you detect the 1.5kHz and 2.2 kHz frequencies?
- 4) What does the solder ratio signify?
- 5) Why do you tin a soldering tip?
- 6) What type of flux should be used in electronics?
- 7) What is a solder bridge?
- 8) What are typical soldering temperatures for a) lead-free solder (like the one we are using) and b) lead solder?
- 9) What is the purpose of flux?
- 10) What are some different desoldering techniques?