

Quiz #1

1. What are the frequencies of the first six harmonics of a tone with a fundamental frequency of 100Hz/ (Watch out – *slightly* trick question!)

6th harmonic

5th harmonic

4th harmonic

3rd harmonic

2nd harmonic

1st harmonic

2. In terms of the “quality of the sound,” how would you describe the difference between that of a sawtooth wave and that of a sine wave? (Remember that you can select and hear these on the Subtractor synth in Reason! Your answer will be somewhat subjective.)

3. Which of these waveforms consists of pure first harmonic (or fundamental)?

- a. sine
- b. square
- c. sawtooth

4. Which of these waveforms consists of only odd-numbered harmonics?

- a. sine
- b. square
- c. sawtooth

5. Which of these waveforms contains all harmonic frequencies?

- a. sine
- b. square
- c. sawtooth