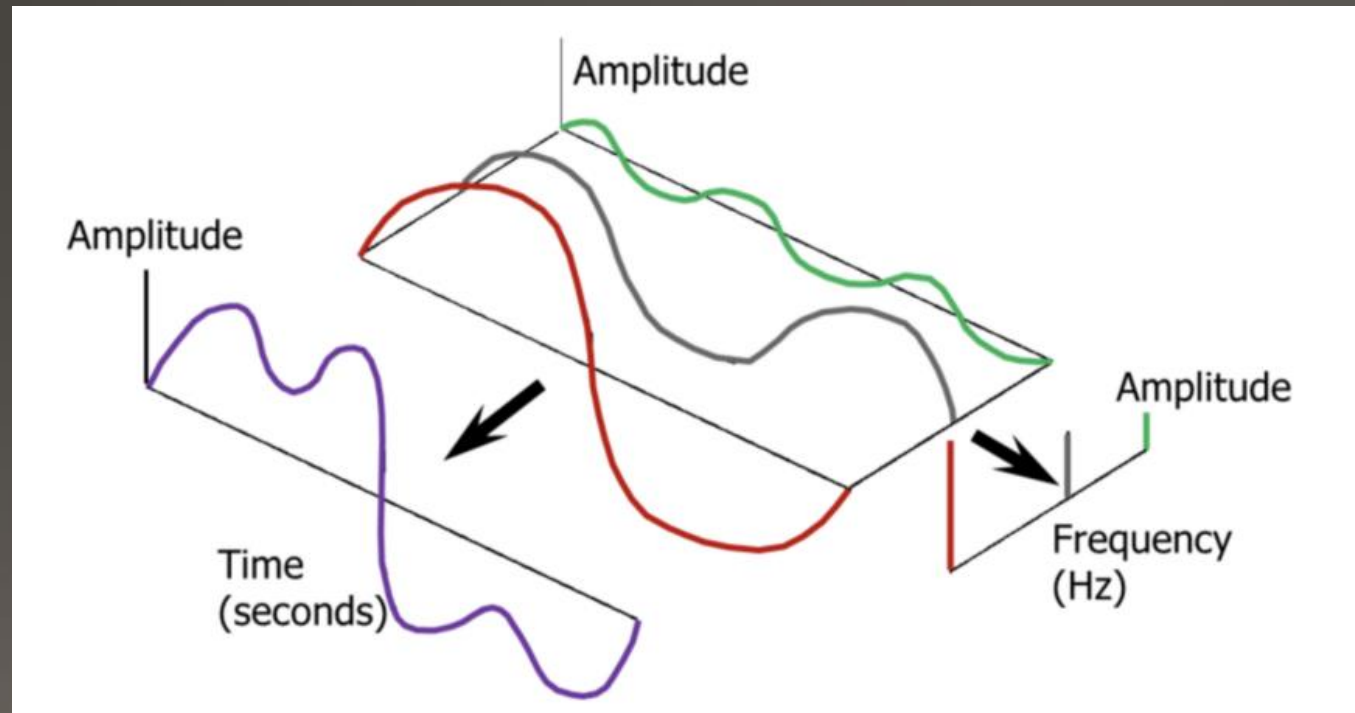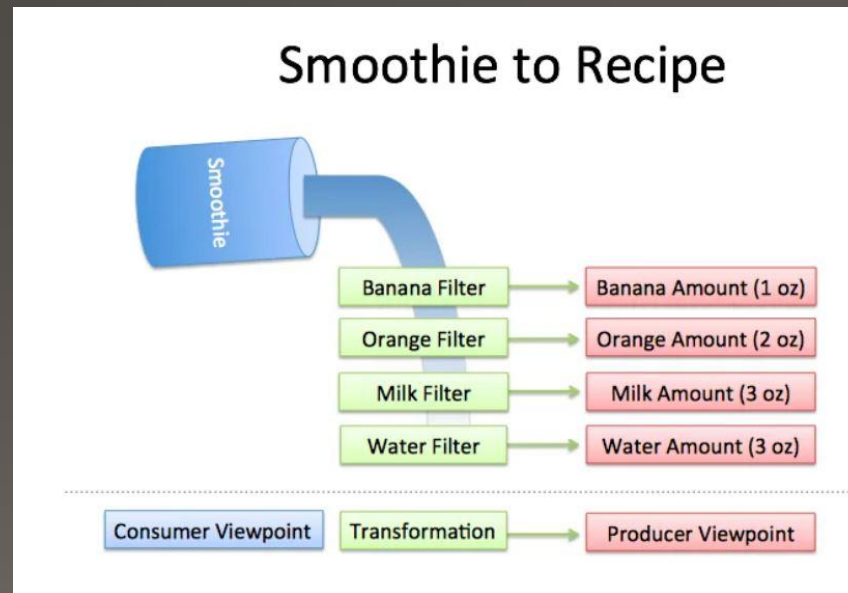Iqraq's Note

Fourier Transform

Fourier Transform

- Process to obtain information from raw signal – ie converting time domain signal to frequency domain signal without losing information

Mechanism of Fourier Transform

- The Fourier Transform takes a time-based pattern, measures every possible cycle, and returns the overall "cycle recipe" (the amplitude, offset, & rotation speed for every cycle that was found)

Smoothie to Recipe

Final product

Signal with frequencies 10, 25, 50 and 100 Hz