

5. Classify each of the following filters as low-pass, high-pass, or band-pass. You can do this by looking at each filter as a voltage divider, and determining the behavior of each impedance in the circuit for low frequencies, middle frequencies, and high frequencies. Alternatively, you can write the equation for the frequency response and study its behavior as the frequency varies.

For the low-pass filters: Is one of them "closer" to an ideal filter than the others? Please explain.

