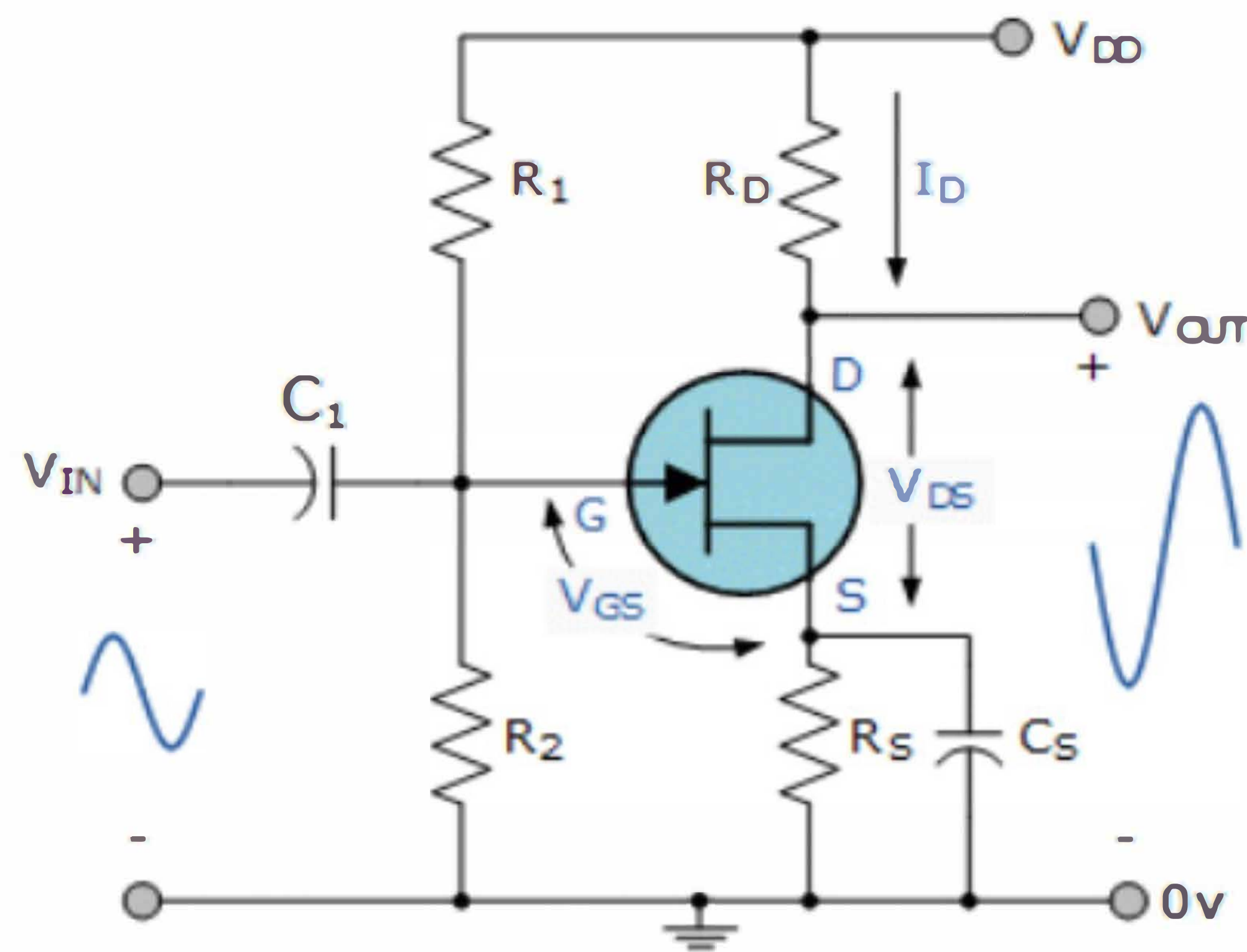
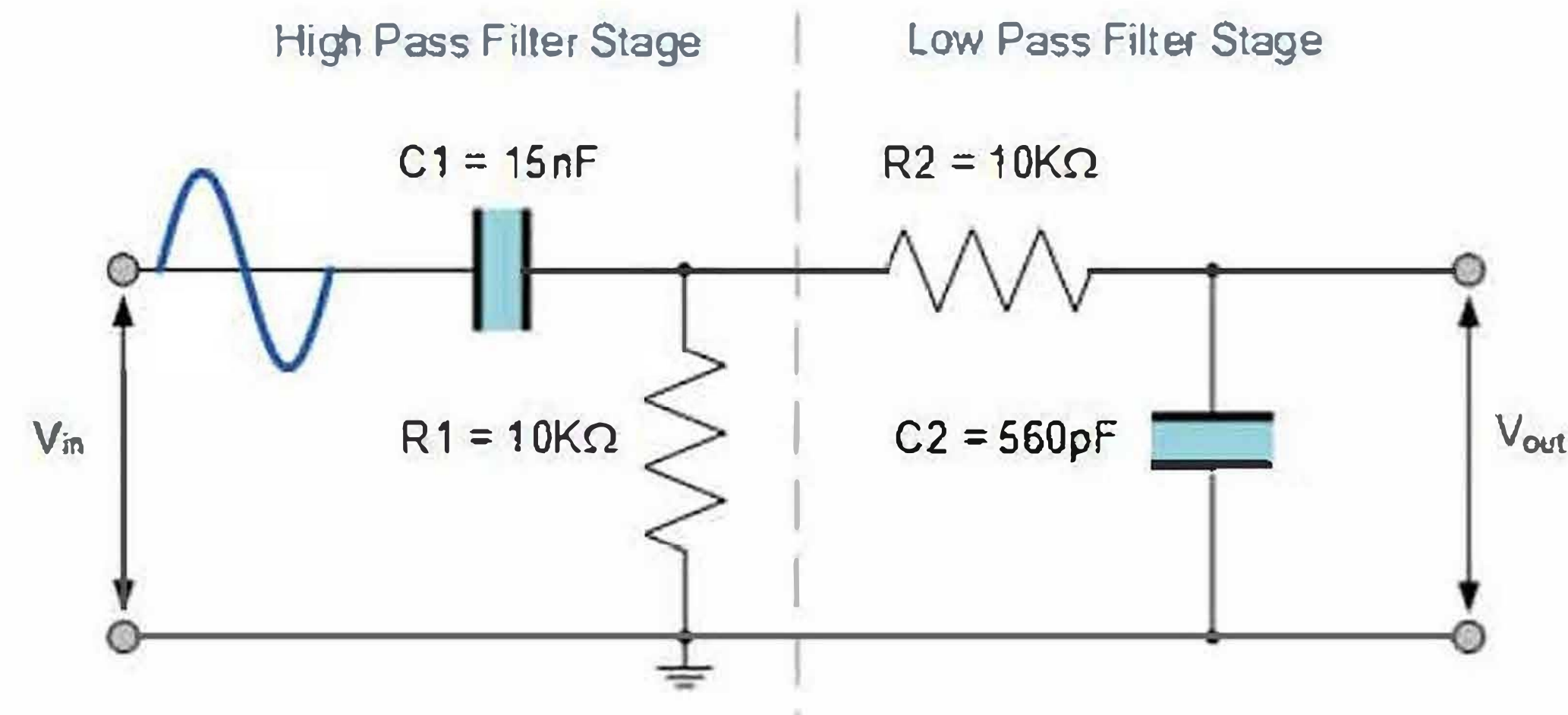


Gain Buffer



https://www.electronics-tutorials.ws/amplifier/amp_3.html

Band Pass Filter



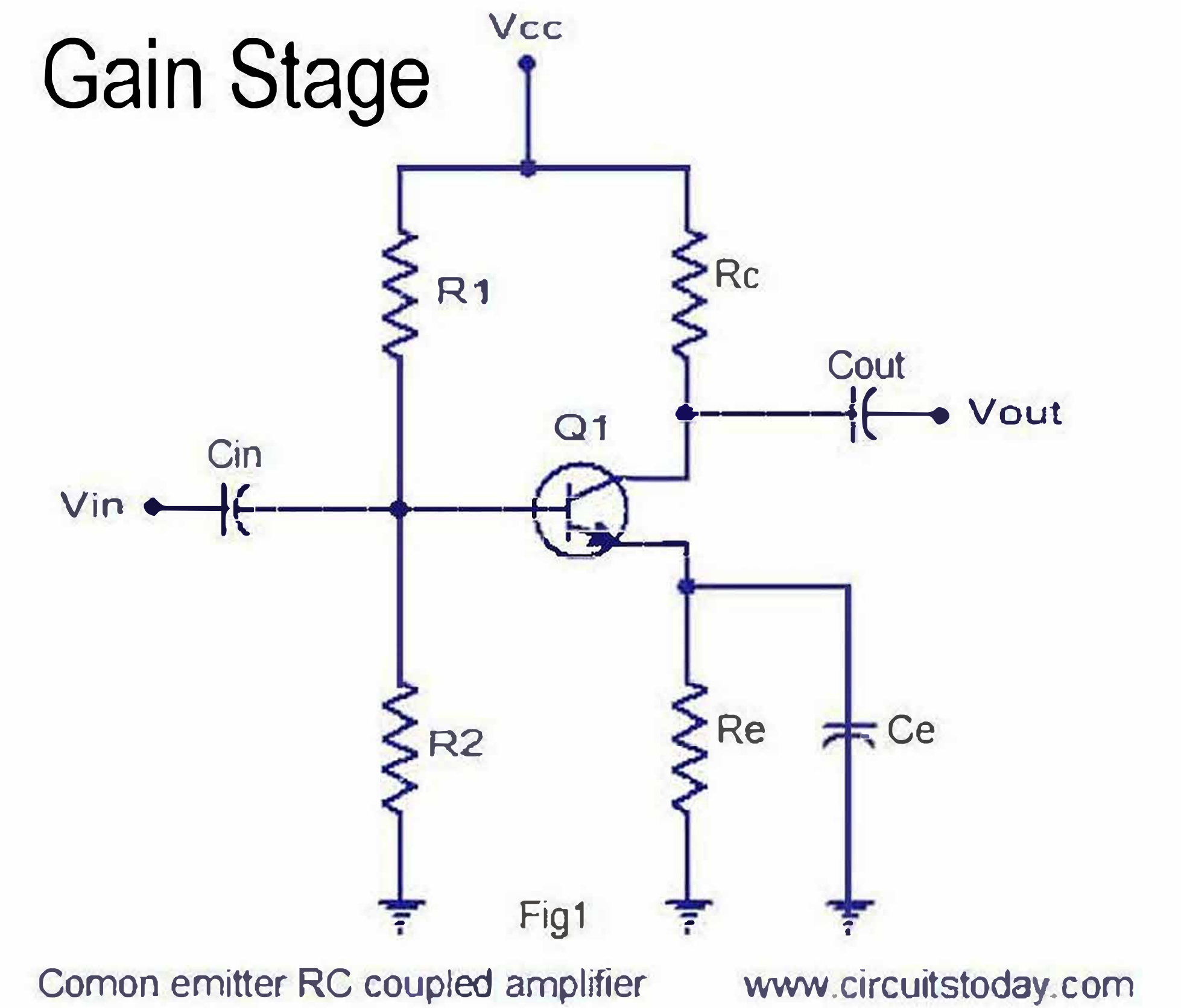
$$C_1 = \frac{1}{2\pi f_L R}$$

$$C_2 = \frac{1}{2\pi f_H R}$$

$$f_c = \frac{1}{2\pi RC} \text{ Hz}$$

https://www.electronics-tutorials.ws/filter/filter_4.html

Gain Stage



Comon emitter RC coupled amplifier

www.circuitstoday.com

<https://www.circuitstoday.com/transistor-amplifier>