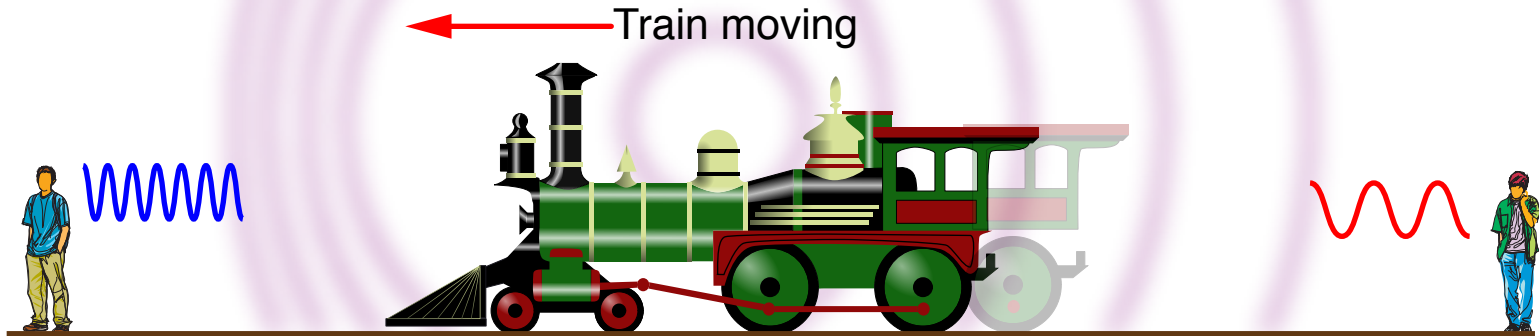


Sound waves bunch up to shorter wavelength, higher frequency.

Sound waves stretch out to longer wavelength, lower frequency.



$$f_{\text{received}} = f_{\text{emitted}} \cdot \frac{c_{\text{sound}}}{c_{\text{sound}} - v}$$

$$f_{\text{received}} = f_{\text{emitted}} \cdot \frac{c_{\text{sound}}}{c_{\text{sound}} + v}$$