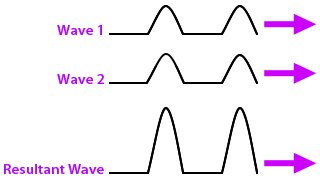
**Wave Interference**

**W. Interference: occurs when 2 or more waves interact (collide)**

**Interference can be constructive or destructive.**

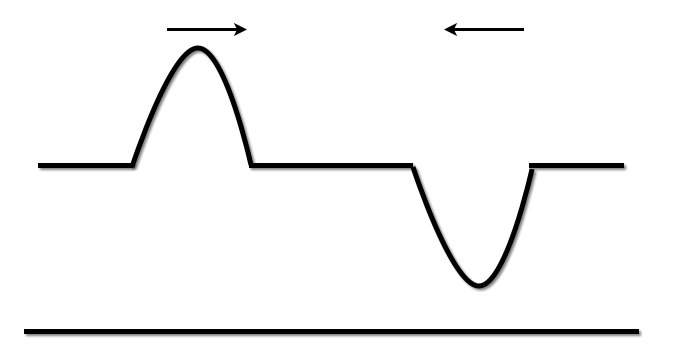
**Constructive interference: occurs when 2 or more waves interact and cause an increase in amplitude, velocity or both.**

**Example: 2 waves traveling in the same direction.**



**Destructive interference: occurs when 2 or more waves interact and cause a decrease in amplitude, velocity or both.**

**Example: waves traveling in opposite directions.**



**\*\*The flat line represents the waves “canceling each other out”.**