**Waves**

**Brainstorm:**

What different types of waves can you think of?

**What is a wave?**

 A wave is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that transfers \_\_\_\_\_\_\_\_\_\_\_\_\_\_ through matter or space without causing any permanent change in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Properties of Waves**



1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:



1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:

**Frequency**

 The frequency of a wave is the number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ that occur in one second. The units of frequency is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How to calculate frequency:

**Types of Waves**

 There are two main types of waves:

 **Transverse Waves:**

 **Compression Waves:**

Vocab: Amplitude, Wavelength, Crest, Trough, Frequency Homework p.143 #1-4,6-9