**Spectrum Sort**



Long Short

Low High

**Directions** Use the word bank to answer the clues and fill in the dashed boxes above

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** waves can be felt as heat. It has a shorter wavelength than Microwaves and lower frequency than Visible Light

**Word Bank**

**Gamma** **Superviolet**

**X-Ray Infrared**

**Visible Light** **Radio**

**R.O.Y.G.B.I.V. Ultraviolet**

**Transfrared Infraviolet**

**Microwaves Laser**

**Wavelength Frequency**

**Amplitude Tidal**

\_\_\_\_\_\_\_\_\_\_\_\_\_ waves are used to transmit radio and TV signals and have the longest wavelengths

\_\_\_\_\_\_\_\_\_\_\_\_\_ waves are visible to bees and has a higher frequency than Visible Light

\_\_\_\_\_\_\_\_\_\_\_\_\_ waves have shorter wavelengths than Radio waves but lower frequencies than Infrared and can be used to send cell phone signals and cook food

\_\_\_\_\_\_\_\_\_\_\_\_\_ waves represent the smallest chunk on the spectrum but are the prettiest as the different frequencies result in the colors we see

\_\_\_\_\_\_\_\_\_\_\_\_\_ waves are have higher frequencies than X-Ray waves which makes them the most dangerous waves.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ waves have such a small wavelength that they can penetrate soft tissue like skin and muscle

\_\_\_\_\_\_\_\_\_ the arrangement of a certain group of light wave frequencies that can be seen, in order, after a rain storm