

Science 8

Name _____

Period _____

Review for Sound and Light Unit Test

Name and describe two types of mechanical waves. _____

How does radar or sonar work? _____

What mediums can sound travel through? _____

What medium can sound NOT travel through? Why? _____

How is constructive interference different from destructive interference?

What is the Doppler effect? Give me an example where you might have experienced this. _____

What happens to the speed of sound as you heat the medium that it is traveling in?

What happens to the speed of sound as you cool the medium that it is traveling in?

What happens to the speed of sound if you increase the density of the medium it is traveling in? _____

What happens to the speed of sound if you decrease the density of the medium it is traveling in? _____

What are the colors of the visible spectrum? _____

What happens when white light passes through a prism? _____

Define the following on a separate sheet of lined paper. Remember to study your notes as well as this study guide.

wave

medium

reflection

amplitude

electromagnetic wave

refraction

wavelength

longitudinal wave

diffraction

frequency

transverse wave

interference