

Name: _____ Date: _____

Pd. _____

Energy and Waves Unit Review

Vocabulary Words To Know (Suggestion: Make Flash Cards or another study tool for these words; Ms. Haynie will have a Quizlet on Blackboard)

Energy	Amplitude	Frequency	Transverse Wave	Longitudinal Wave
Light	Sound	Sound Waves	Disturbance	Wavelengths
Electromagnetic Spectrum	Conduction	Convection	Radiation	Energy Transfer
Medium	Earthquakes	Translucent	Transparent	Opaque
Absorbing	Scattering	Conductor	Insulator	Thermal Expansion
Thermal Contraction	Crest	Trough	Compressions	Rarefactions

Essential Questions

1. How is energy like a wave?
2. What are the similarities and differences between the waves that produce earthquakes, light and sound?
3. How do we hear?
4. How do you see different colors?

5. What is the relationship between light and sound?

6. How does heat travel? (3 ways)

7. What are the similarities and differences between conduction, convection and radiation?

8. How do electromagnetic waves interact with/affect different types of matter?

9. List examples of conductors and insulators.

10. Heat always moves thermal energy from _____ objects to _____ objects.

11. Describe the different waves that make up the Electromagnetic Spectrum. Place a (*) next to the waves that are visible to humans.

