**Guided Notes: Properties of Waves Answers**Big Idea: repeating

Key Concepts:

• Wavelength

• Frequency

• decreases

• Amplitude

• Crest

• Equilibrium

Real World Examples:

1. frequency, wavelength

2. frequency

**Guided Notes: Different Types of Waves Answers**

Big Idea: unique

Key Concepts:

• energy

• Seismic

• Sound

• mechanical

• Water

• Electromagnetic

• energy

Real World Examples:

1. sound

2. electromagnetic

**Guided Notes: Modeling Waves Answers**

Big Idea: wavelength, frequency, amplitude

Key Concepts:

• disturbance

• crest, trough

• Wavelength

• Amplitude

• Frequency

• hertz (Hz)

• speed, frequency, wavelength

• Longitudinal

• Transverse

Real World Examples:

1. frequency, amplitude

2. frequencies, kilohertz, megahertz

**Guided Notes: Light and Sound Waves Answers**

Big Idea: differently

Key Concepts:

• Mechanical, electromagnetic

• Mechanical

• Electromagnetic

• Electromagnetic

• Longitudinal

• Frequency

• Amplitude

• Solids

• Rods, cones

• Reflect, absorb

• Electromagnetic

Real World Examples:

1. see, hear

2. air

**Guided Notes: Reflection of Waves Answers**

Big Idea: reflected

Key Concepts:

• disturbance

• Reflection

• Hard

• Smooth

• light, sound

• texture

• Communication

• oral, written, nonverbal

• receive, send

Real World Examples:

1. reflect

2. verbal, nonverbal

**Guided Notes: Technologies for Information Transfer Answers**

Big Idea: absorbed

Key Concepts:

• Absorption

• absorbed, reflected

• insulators

• boundary

• absorbed, reflected

• X-ray

• absorbed, reflected

• absorbed, absorb
Real World Examples:
1. Absorb, absorb

2. blocking, reflecting

**Guided Notes: How are Waves Transmitted? Answers**

Answers:

Big Idea: transmitted

Key Concepts:

• Transmission

• medium, vacuum

• gases

• Seismic

• reflected, refracted, diffracted

• refract

• Diffraction

• multimedia

Real World Examples:

1. transmitted

2. refracted

**Guided Notes: Energy in Waves Answers**

Big Idea: frequency, wavelength

Key Concepts:

• amplitude

• amplitude

• Wavelength

• Frequency

• Hertz

• shorter, higher

• energy, wavelength

• penetrate

• penetrating

Real World Examples:

1. electromagnetic

2. lower

**Guided Notes: Interaction of Waves Answers**

Big Idea: transmission, refraction, reflection, absorption

Key Concepts:

• Transmission

• Refraction

• Reflection

• Absorption

• normal

• reflected, absorbed

• Refraction

• collaboration

Real World Examples:

1. larger

2. reflecting, refracting

**Guided Notes: Digitalized Signals Answers**

Big Idea: reliable

Key Concepts:

• analog

• digital

• Encode

• Transmit

• degrade

• cleanly

• longer

• degrade

• encoding

• CDs, DVDs

Real World Examples:

1. digital

2. digital