Name Pd Date			
Properties of Sound			
<u>Directions:</u> Read pages 42-47 in your "Light and Sound" text book. As you read, fill in key concepts in the blank spaces below.			
What kind of wave is a sound wave? How do you know?			
* Loudness – your perception of the of a sound. It depends on The amount of it takes to make a sound from the source of the sound.			
Loud sound waves have high Soft sound waves have small			
Loudness is measured in (abbrv:).			
* Pitch – how or the sound seems to a person's ear. Pitch depends on the of a sound wave.			
High (fast vibrations) have a pitch.			

* Most people can hear frequencies between ____ () and ____ (). (1 Hz = 1 vibration per second)

* <u>Ultrasound</u> – sound waves with frequencies

Some things that create ultrasound:

- Ultrasound machines: used to see pictures of a baby in the womb
- Electronic toothbrushes
- Jewelry cleaners
- Bats & Dolphins
- Dog whistles



* Infrasound – sound waves with frequencies

Some things create infrasound:

- Elephants use it to communicate by stomping on the ground
- Giraffes produce it when stretching their necks
- Airplanes
- Earth Quakes
- Thunderstorms
- Whales



* The change in frequen	cy of a wave as its source	moves in relation to an
observer is called the	•	