# Sound Review

Name: _____

| What are waves? | What is sound? | Bending/Interfering | Mash Up | Calculations |
|---|---|---|---|---|
| Vibrations from a person or an object cause what? | What kind of wave is sound? | Draw constructive Interference | Musical instruments must be able to change what ? | If the wavelength is 10 m and the frequency is 2Hz. What is the speed of the wave? |
| Draw a transverse wave label crest and trough | Sound has to have this to travel: | Draw destructive interference | Does sound travel faster in warm or cold air? | If the speed of the wave is 10 m/s, and the wavelength is 2 /s, what is the frequency? |
| Draw a wave. Label amplitude and wavelength | What do we call waves above 20,000 Hz? | Draw diffraction | Why do dog whistles work? | If the frequency is 100Hz, and the wavelength is 20m, what is the speed of the wave? |
| Draw a compressional wave: Label rarefaction | Loudness (intensity) is measured in what? | What is it called when sound bounces back? | Frequency affects what sbout sound? | If the frequency is 20 Hz, and the speed of the wave is 200 m/s, what is the wavelength? |