



**Vocabulary** - touch the card to reveal the definition

**Frequency**

The speed of a vibration

**Pitch**

Describes the frequency of a sound

**Particles**

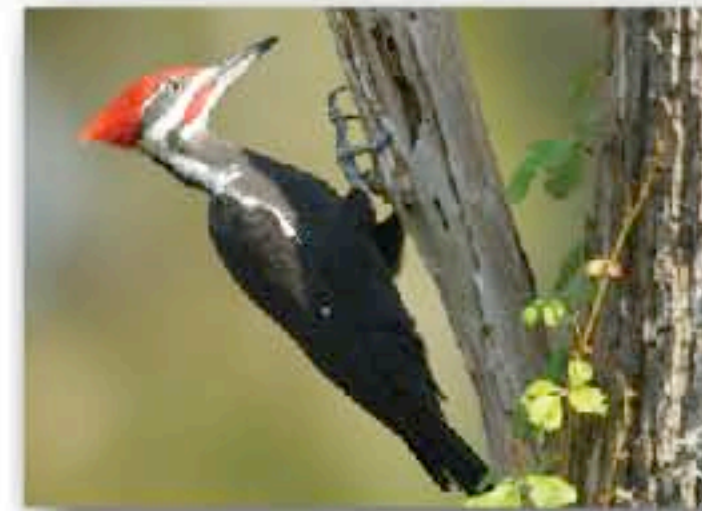
Tiny pieces of something, such as air

**Sound Waves**

**Seismic**



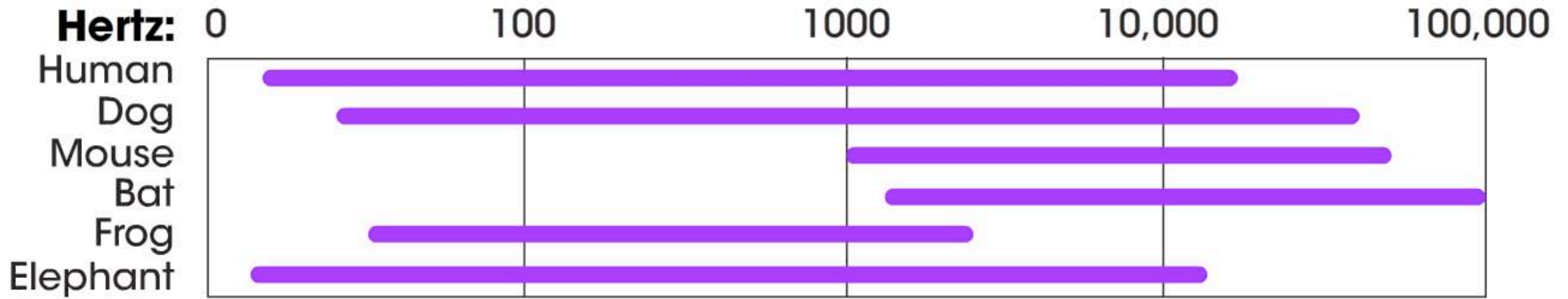
The pictures to the right show four things that move with a vibrating motion, arranged from most pleasant to most unpleasant. When something vibrates it moves back and forth or up and down.



We can see the jackhammer and woodpecker's head moving back and forth. The motion of the guitar strings and humming bird's wings are so fast we just see a blur.

The speed of the vibration is called the **frequency**. Frequency tells how often (how frequently) the thin **continue reading**

# Ranges of Hearing



**20-20,000 Hz**



**40-60,000 Hz**



**1,000-70,000 Hz**

**16-12,000 Hz**



(label)



(label)



(label)

**50-4,000 Hz**



**2,000-120,000 Hz**



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