Grade 5 Dragger Questions – Sound

Game 1

Produces sound

--VIBRATING MATTER

Sound travels as this type of wave

--COMPRESSION WAVE

Number of wavelengths in a given unit of time

--FREQUENCY

Distance between two compressions (crests) or two rarefactions (troughs)

--WAVELENGTH

Amount of energy in a wave (determines loudness)

--AMPLITUDE

Sound can’t travel through empty space; it must travel through this

--A MEDIUM

GAME 2

Sound travels fastest through this type of medium

--SOLID

The frequency of the vibration determines this

--PITCH

Low-pitch, low-frequency sounds are produced by these

--LARGE BRASS INSTRUMENTS



Vibration and sound are produced by striking this type of instrument

PERCUSSION

Unlike humans, dogs can hear this type of sound

VERY HIGH FREQUENCY

Whales communicate with this type of sound

LOW FREQUENCY GROANS