Grade 5 Dragger Questions – Sound

Game 1

Produces sound

--VIBRATING MATTER

C:\Users\Maria\Desktop\compressions.gifSound travels as this type of wave

--COMPRESSION WAVE

C:\Users\Maria\Desktop\frequency.pngNumber of wavelengths in a given unit of time

--FREQUENCY

C:\Users\Maria\Desktop\compressions.pngDistance between two compressions (crests) or two rarefactions (troughs)

--WAVELENGTH

C:\Users\Maria\Desktop\amplitude2.pngAmount 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

C:\Users\Maria\Desktop\tubas.pngLow-pitch, low-frequency sounds are produced by these

--LARGE BRASS INSTRUMENTS

C:\Users\Maria\Desktop\frequency-drum.JPG

Vibration and sound are produced by striking this type of instrument

PERCUSSION

C:\Users\Maria\Desktop\dogs.pngUnlike humans, dogs can hear this type of sound

VERY HIGH FREQUENCY

C:\Users\Maria\Desktop\bluewhale.pngWhales communicate with this type of sound

LOW FREQUENCY GROANS