

Name: _____ Date: _____

1. Name an animal that makes a sound. Can you think of a reason the animal would make that sound?
2. Do you know what part of the animal's body makes that sound?
(Ask for three examples of each question above.)

Sound	Purpose	Mechanism

3. Name a sound a person makes without speaking. Can you think of a reason for the person to make that sound?
4. Do you know what causes that sound? (The mechanism)
(Ask for three examples of each question above)

Sound	Purpose	Mechanism

5. I am going to make some sounds and you try to stop the sound when I ask you to.
6. Why did it stop?

Sound	Stopped within 5 seconds	Why did it stop?
Roll mallet over xylophone		
Ring bell		
Strum guitar		

Rubric and examples of successful responses

#1, #2

Sound (1 pt each up to 3)	Purpose (1 pt per sound for a plausible, if not exact, purpose)	Mechanism (1 pt for mentioning vibration/movement, 1 pt for mentioning the particular mechanism)
Bark	Warning, excitement, hungry, attention	Vocalizations that vibrate (1) in throat (1).
Purr	Contentment	Breathing pushes air (1) that vibrates in throat (1).
Chirp	Singing, warning	Birds – air from lungs (1) vibrates in throat (1). Grasshoppers – legs rub together (1) causing vibrations as they rub (1).
Buzz	Flying (incidental to motion itself)	Wings move rapidly (1) causing vibrations in the air (1).

#3, #4

Sound (1 pt each up to 3)	Purpose (1 pt per sound for a plausible, if not exact, purpose)	Mechanism (1 pt for mentioning vibration/movement, 1 pt for mentioning the particular mechanism)
Bell	Recess, dismissal, fire alarm, attention getting	Ringer hits bell (1) causing vibration of bell (1).
Whistle	Train, PE/Sports/Movement	Air blows through a cavity (1) causing vibration within the whistle (1).
Horn	Car warning	Electronics not considered and “hitting a horn” not sufficient. Points awarded for mechanical horn description, similar to whistle above.
Clap	Attention, approval, rhythmic/entertainment	Hands quickly making contact (1) causing air vibration (1).
Stomp	Attention, approval, rhythmic/entertainment	Foot contacts a surface (1) and the surface’s ability to move affects the sound (1). For example, stomping a gym floor makes sound, while stomping concrete makes less sound.

#5, #6

Sound	1 pt. for stopping sound correctly on first try within 5 seconds.	1 pt. for explaining that movement or vibration was stopped.
Roll mallet over xylophone	Hands or arm mutes all xylophone keys.	I touched all the keys and stopped them from moving.
Ring bell	Hand mutes bell by touching or holding onto bell mechanism.	My hand stopped the bell from moving.
Strum guitar	Hand touches/holds strings to stop vibration.	My hands touched the strings which stopped them from moving.

One additional point is awarded if the word “vibration” is used to describe any of sound mechanisms or to describe the muting of the instruments.

