Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Guided Notes: Hearing Sound

**What is sound?**

* **Sound is a form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that can be heard and travels in waves.**
* **When matter \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or moves back and forth very quickly, a sound is made.**
* **Sound waves can travel \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solids, liquids, or gases.**
* **Example: When a school bell rings, parts of the bell will vibrate creating sound.**

**How does the ear work?**

* **Sound \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are sent.**
* **The outer ear “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the sound waves”.**
* **The middle ear takes the sound waves and “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ” the eardrum.**
* **The inner ear sends the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the brain.**
* **The** [brain](http://www.kidshealth.org/kid/body/brain_noSW.html) **puts it together and hooray! You hear your favorite song on the radio.**

**Sound Travels**

* **Sound travels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .**
* **Sound must travel through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to be heard.**
* **Remember: Matter can be a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , or a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .**
* **A sound is made when things vibrate.**
* **Sound travels by sending vibrations through matter.**

**How You Make Sounds**

* **We use our \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cords to make sounds in our throat.**
* **When we speak, our vocal cords \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .**
* **Place your hand on your throat when you talk, and you can feel the vocal cords vibrate.**

**Let’s Review**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a kind of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that can be heard.**
* **A sound is made when things \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .**
* **The vibrating object makes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around it vibrate.**
* **Sound \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ move through the air into your ears and make the eardrums vibrate.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is how loud or soft a sound is.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is how high or low a sound is**