

Note-taking Worksheet (continued)

- E. _____ instruments are struck to make a sound; a chamber attached to the vibrating surface resonates the sound to _____ it.
- F. Brass and woodwind instruments use _____ columns in pipes of different lengths to produce sound.
1. _____ change notes by changing the length of the resonating air column.
 2. The musicians playing _____ instruments can change pitch pressing valves to change tube length.
- G. When two notes that are close in frequency are played together, they combine to form a wave that slowly varies in loudness, this creates a beat with a frequency of the _____ in frequencies of the two notes.
- H. _____—repeated echoes of sound
- I. The human ear has _____ basic parts.
1. The outer ear _____ sound waves and directs them into the ear canal.
 2. In the middle ear, sound waves vibrate the _____ which passes the vibrations to the hammer, anvil, and stirrup bones, which amplify the sound waves.
 3. The oval window at the inner ear transmits the vibrations through a fluid to cells lining the _____; these cells generate nerve impulses carrying information about the sound that travel along the auditory nerve to the brain.
- J. The ear can be _____ by disease, age, and exposure to loud noises.