Name Date Class

Directed Reading for Content Mastery

Section 2 ▪ Music

Directions: *Answer the following questions on the lines provided.*

1. What is the difference between noise and music?

2. When does resonance occur?

3. Name two instruments from each of the instrument groups:
   a. stringed instruments: _____
   b. percussion instruments: _____
   c. brass or woodwind instruments: _____

4. Why are the walls or ceilings of most auditoriums curved or padded in some way?

5. List what each part of the ear is designed for:
   a. outer ear: _____
   b. middle ear: _____
   c. inner ear: _____

6. What are some possible causes of hearing loss?

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Key Terms
Sound

Directions: *Match the term in Column II with the definition in Column I by writing the correct letter in the space provided.*

Column I

_____ **1.** corresponds to the frequency of the sound; how high or low a sound sounds

_____ **2.** reflection of sound off a hard surface

_____ **3.** the part of the ear that sound waves directly vibrate

_____ **4.** change in frequency caused by the source of a sound moving

_____ **5.** repeated echoes of sound

_____ **6.** frequency that is related to the shape and makeup of an object

_____ **7.** when an object begins vibrating because it absorbs energy from another vibrating object

_____ **8.** two waves of slightly different frequencies combining to form a wave that varies slightly in loudness

_____ **9.** human perception of how much energy a sound wave carries

_____ **10.** used by some animals to navigate and hunt

_____ **11.** occurs when a wave spreads out after passing through an opening, or bends around an obstacle

_____ **12.** frequencies that are multiples of the fundamental frequency

_____ **13.** the lowest frequency produced by a vibrating object

Column II

a. loudness

b. echo

c. natural frequency

d. beats

e. reverberation

f. pitch

g. Doppler effect

h. resonance

i. echolocation

j. eardrum

k. diffraction

l. fundamental frequency

m. overtone

Meeting Individual Needs