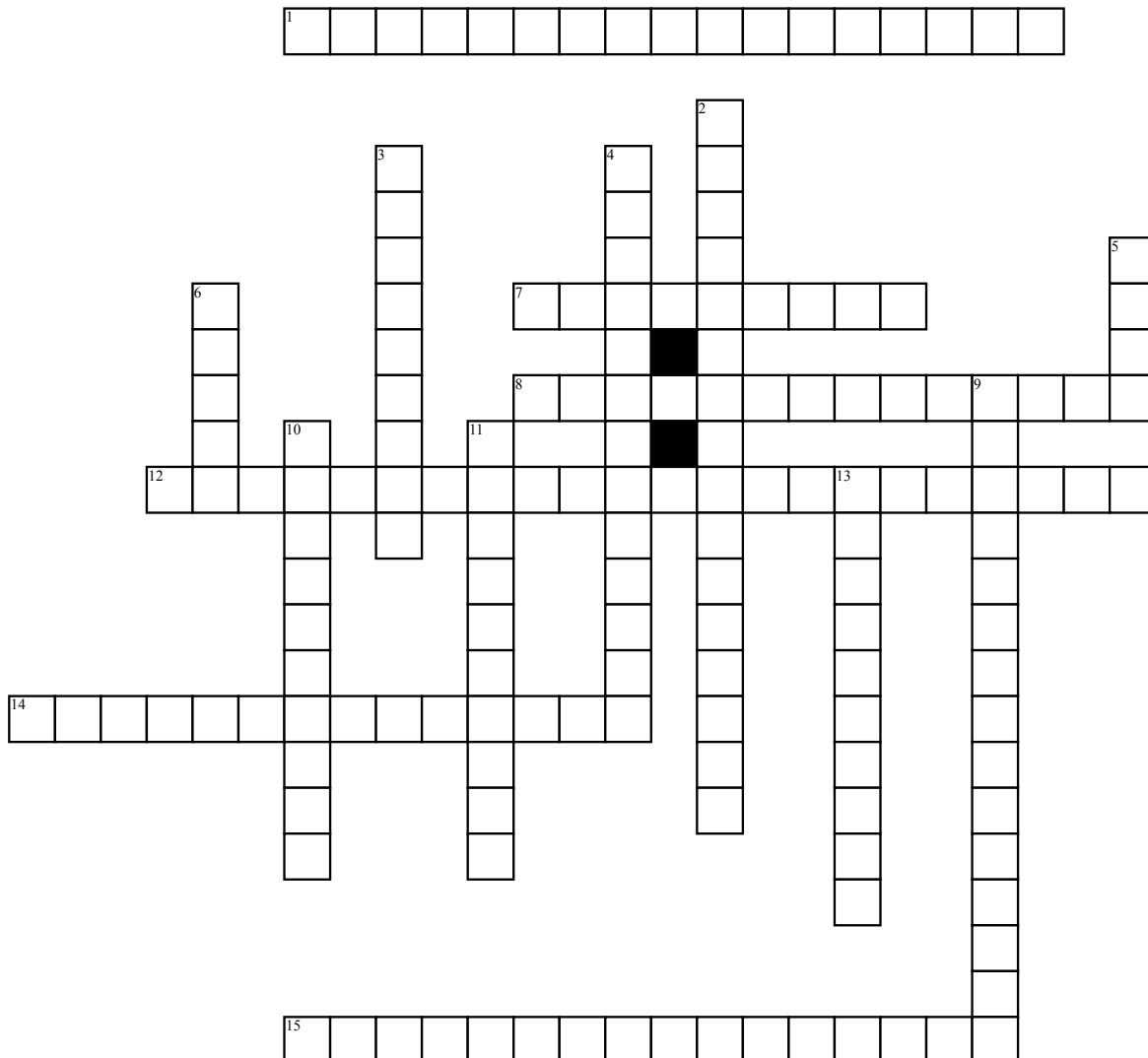


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# The Senses



## Across

**1.** the ability to ignore unimportant stimuli

**7.** occurs when the brain becomes aware of sensory impulses

**8.** are stimulated by changes in the chemical concentration of substances

**12.** are bipolar neurons surrounded by columnar epithelial cells

**14.** by light energy

**15.** three small bones in the middle of the ear

## Down

**2.** by changes in pressure or movement

**3.** the inner ear is a complex system of communicating chambers and tubes

**4.** by tissue damage

**5.** a thin diaphragm composed mostly of connective tissue and smooth muscle fibers

**6.** a circular opening in the center of the iris and into the anterior chamber

**9.** by changes in temperature

**10.** each taste bud includes 50 to 150 modified epithelial cells which function as receptor cells

**11.** allows a person to pinpoint the region of stimulation; thus, the eyes seem to see, and ears seem to hear

**13.** ligaments hold the stapes to an opening in the wall of the tympanic cavity