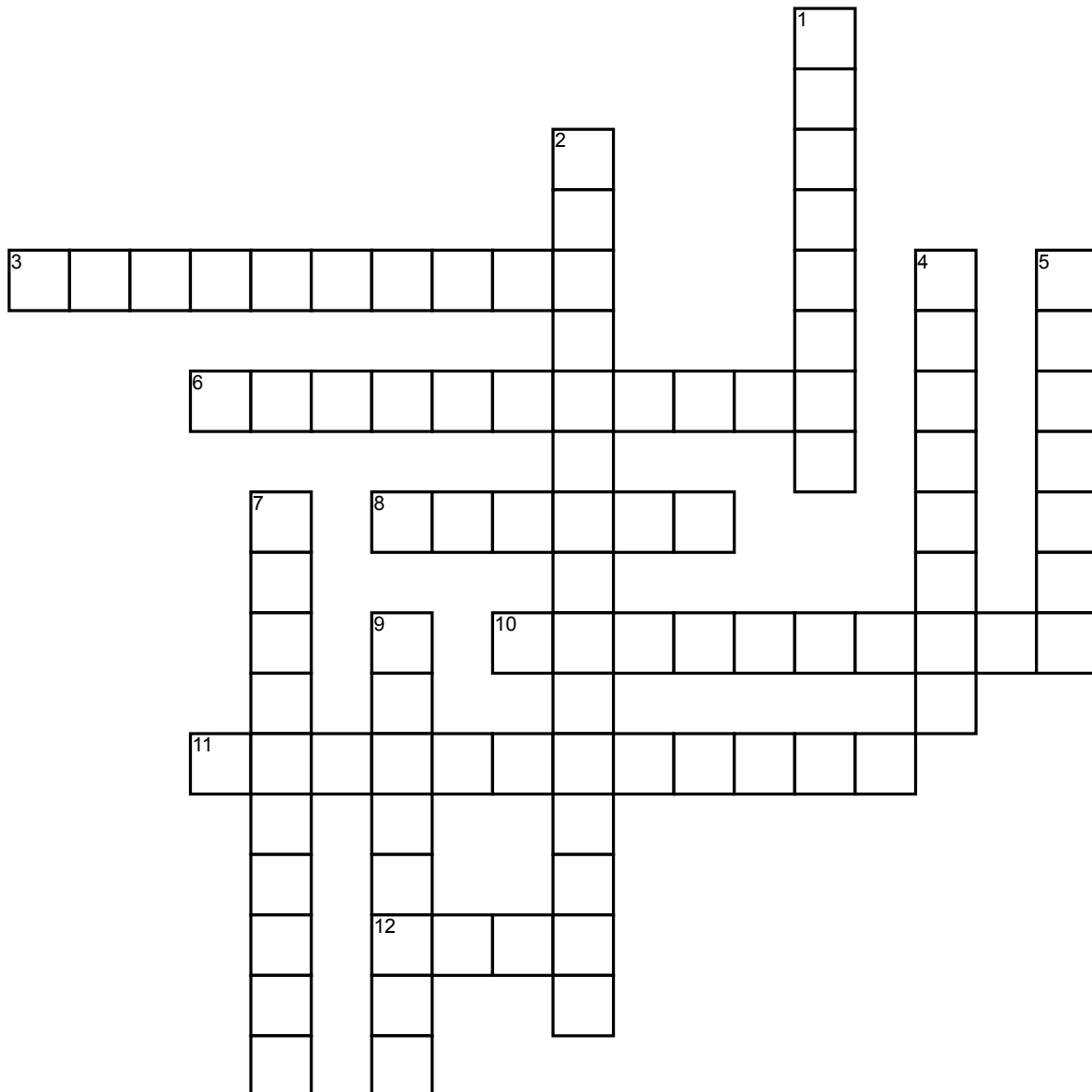


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Spectra



**Across**

**3.** A continuous spectrum with black lines is known as an \_\_\_\_\_ spectrum.

**6.** The energy level was the lowest energy is known as the...

**8.** When an electron moves from a higher to a lower energy level a \_\_\_\_\_ is emitted.

**10.** A spectrum produced by an infinite number of transitions is said to be...

**11.** The electrons in a free atom occupy discrete...

**12.** A spectrum made up of a discrete number of transitions is known as a \_\_\_\_\_ spectrum.

**Down**

**1.** The more electrons that make a transition the \_\_\_\_\_ the line will be.

**2.** For an electron to leave the atom it must reach the...

**4.** There are two types of \_\_\_\_\_ spectra.

**5.** An electron moves to a higher energy level when it \_\_\_\_\_ energy.

**7.** The black lines on a spectrum are known as \_\_\_\_\_ lines.

**9.** Electron orbits are...