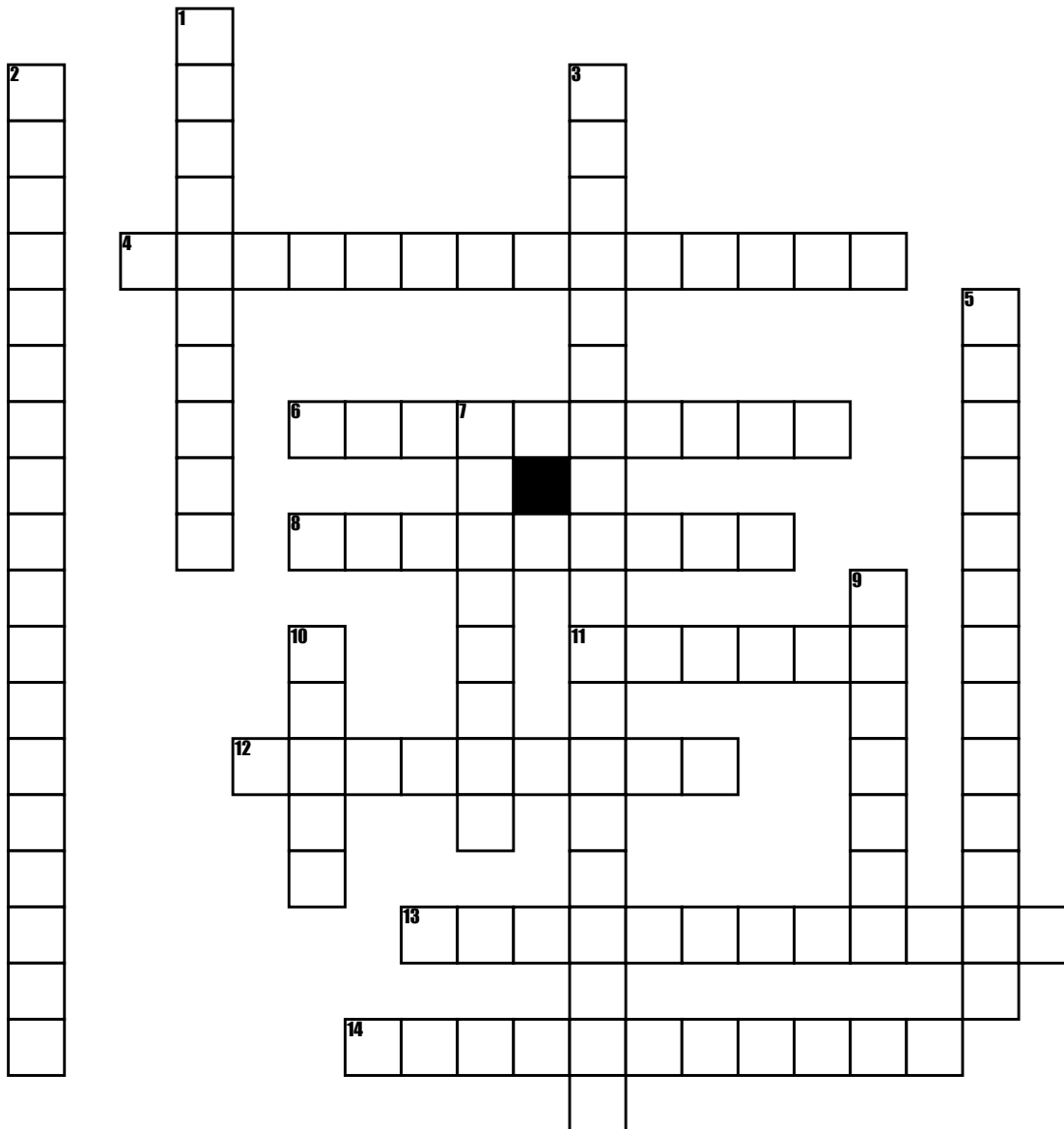


# Layers of The Earth Vocabulary



**Across**

- 4.** Distinct forms of matter known in everyday experience: solid, liquid, and gas; also referred to as phases of matter
- 6.** A measure of the amount of heat
- 8.** The sphere of solid nickel and iron at the center of the Earth. Surrounded by the liquid outer core
- 11.** The solid layer of Earth between the crust and the core, made of dense silicates
- 12.** The layer of Earth's core and is made of liquid nickel and iron

**13.** The divisions of the compositions of Earth determined by either chemical compositions or by the physical state of matter

**14.** The cool, rigid, outermost layer of Earth that consists of the crust and uppermost part of the mantle; broken into pieces or

**Down**

- 1.** A characteristics of the material i the asthenosphere; existing in a solid state yet having the ability to flow without being a liquid
- 2.** Measurable characteristics that describe the physical state of something, including mass, magnetism, temperature, density, shape, volume, and conductivity

- 3.** The types, quantities and arrangements of elements that make up a substance
- 5.** The solid layer with plasticity in the upper mantle that is located just below the lithosphere; plates "float" and move on this layer
- 7.** Force exerted on matter through contact with other matter; affects melting and boiling points
- 9.** The amount of matter in a given space or volume; it is a relationship between mass and volume
- 10.** The thin, solid outermost layer of Earth