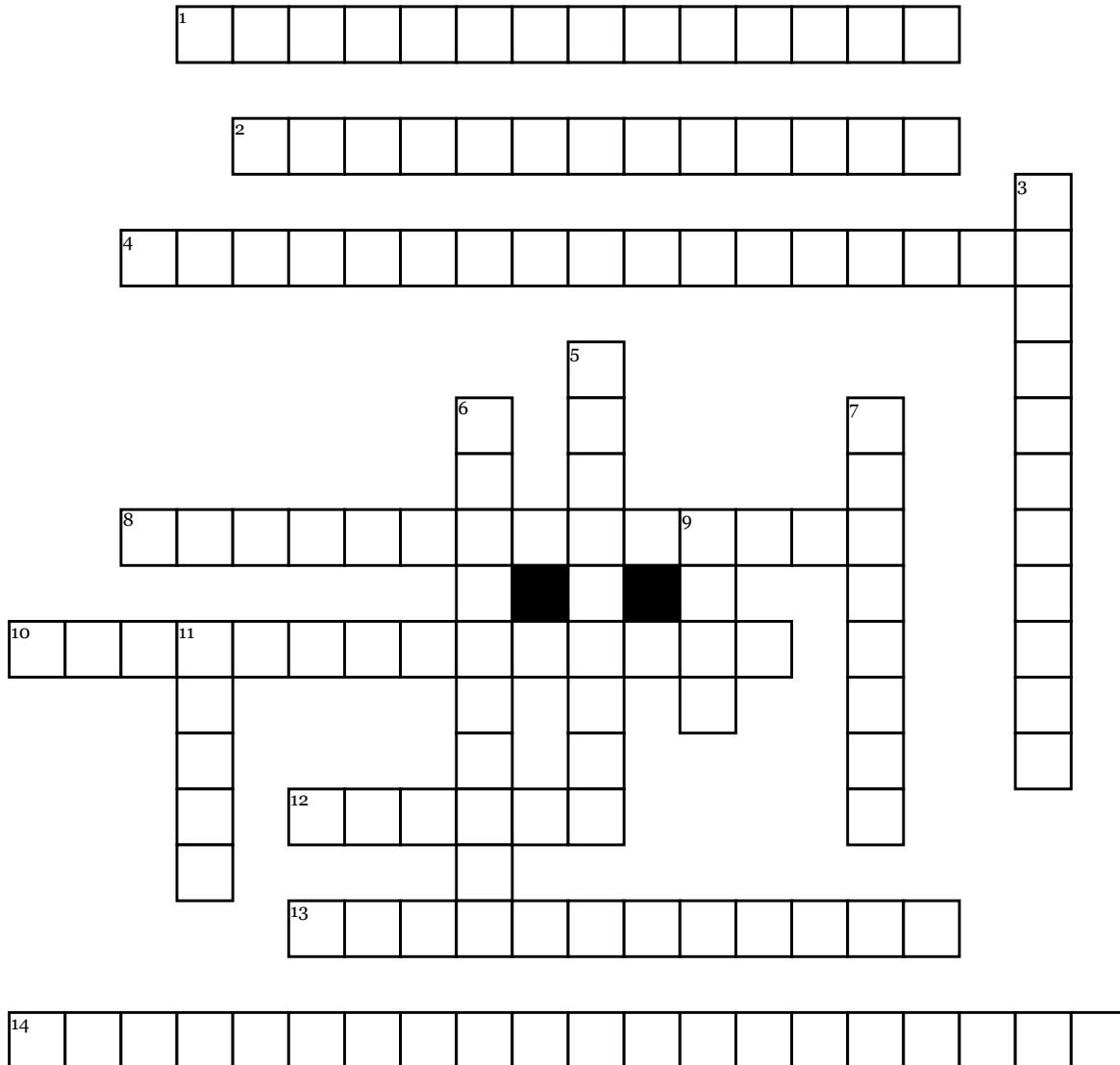


State of matter



Across

- 1.** A changes affecting the form of a chemical substance but not a chemical composition
- 2.** The sum of the kinetic and potential energy of particles in a materials
- 4.** States that when a force is applied to a confined fluid an increase in pressure is transmitted equally to all parts of the fluid

- 8.** Is any change the at results in the formation of new chemical substances. At the molecular level chemical change involves making or breaking of bonds between atoms.
- 10.** The uneven forces acting on the particles on the surface of a liquid.
- 12.** The ability cause change.
- 13.** Upward force exerted on an object immersed in a fluid.
- 14.** States that the buoyant force on an object is equal to the weight of the fluid displaced by the object

Down

- 3.** Measure of the average kinetic energy of the individual particles of a substance
- 5.** A liquid's resistance to flow
- 6.** Movement of thermal energy from a substance at a higher temperature to a substance at a lower temperature (movement from high to low.)
- 7.** A force exerted on a surface divided by the total area over which the force is exerted.
- 9.** A small particle that makes up most types of matter.
- 11.** A pull or push.