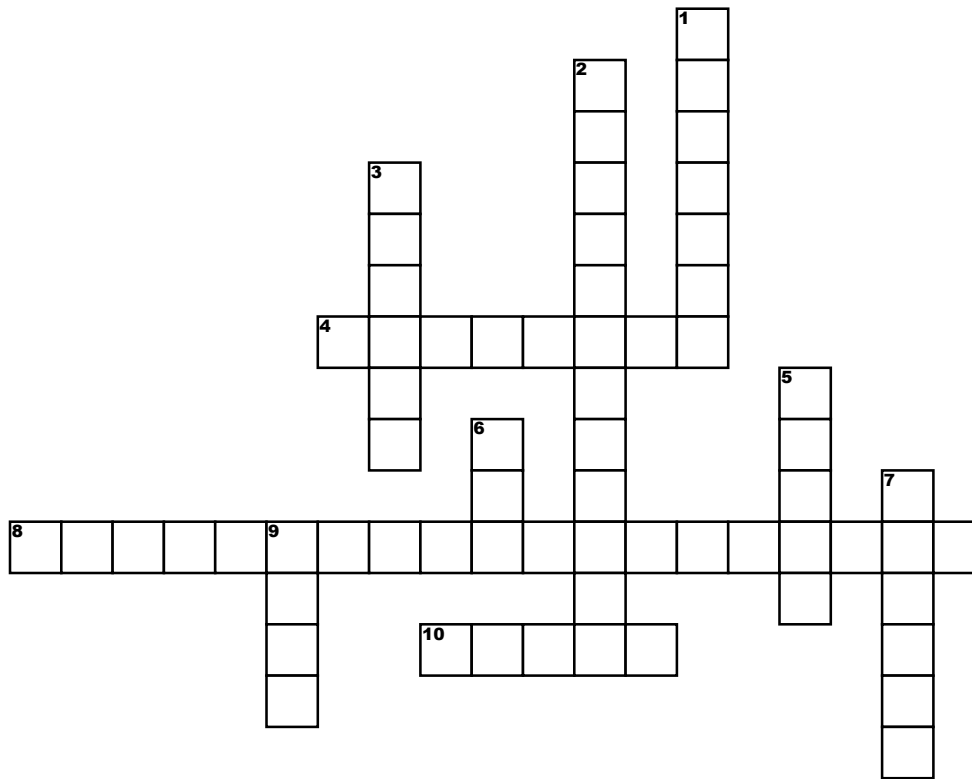


# Density and buoyancy crossword



## **Across**

- 4.** The ability to float in a liquid
- 8.** the amount of buoyant force is equal to the weight of which the water displaces
- 10.** has a density of 1 g/ml

## **Down**

- 1.**  $d/mv$  where  $m$ =mass and  $v$ =volume. this is the formula for what?
- 2.** the opposite of gravity that pushes up a submerged object

## **Word Bank**

water

density

ARCHIMEDES PRINCIPLE

gas

plasma

liquid

mass

solid

buoyant force

buoyancy

- 3.** has no rigid shape no fixed shape and is the second densest state of matter
- 5.** The densest state of matter has a fixed/ rigid shape
- 6.** Not rigid no fixed shape or volume and is the least dense state of matter
- 7.** Exist at extremely high temperatures, particles move freely with extremely high energy. appears in lightning, the tail of a comet, and stars
- 9.** the amount of atoms in a certain amount of space