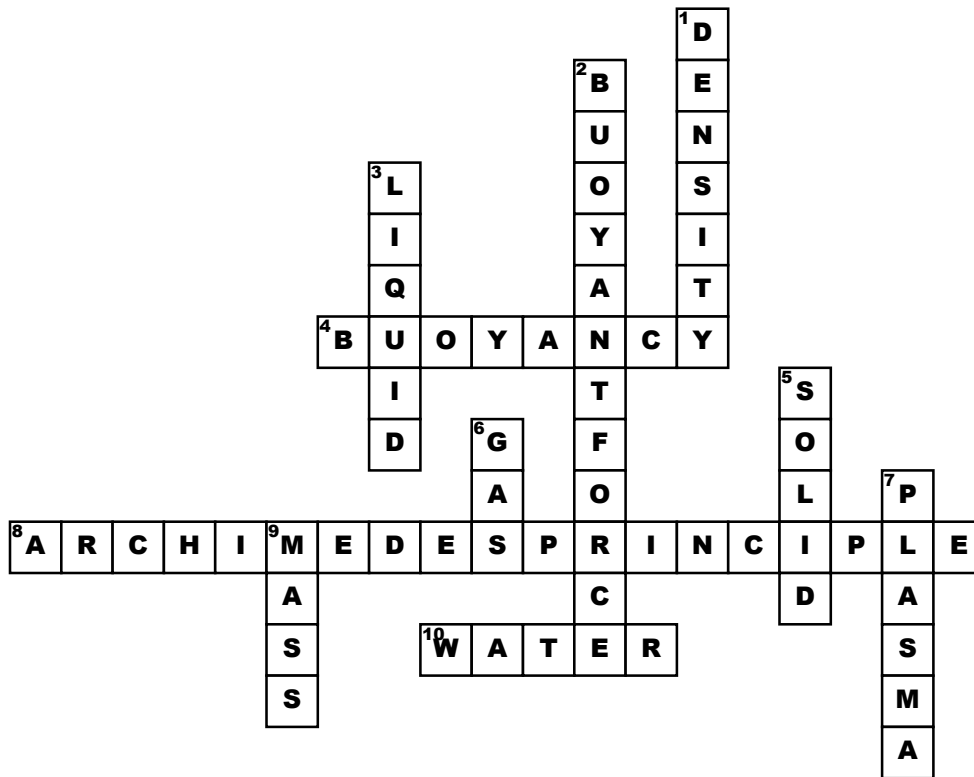


# Density and buoyancy crossword



## 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

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

## Word Bank

liquid  
 plasma  
 gas  
 buoyancy

water  
 density  
 solid

ARCHIMEDES PRINCIPLE  
 mass  
 buoyant force