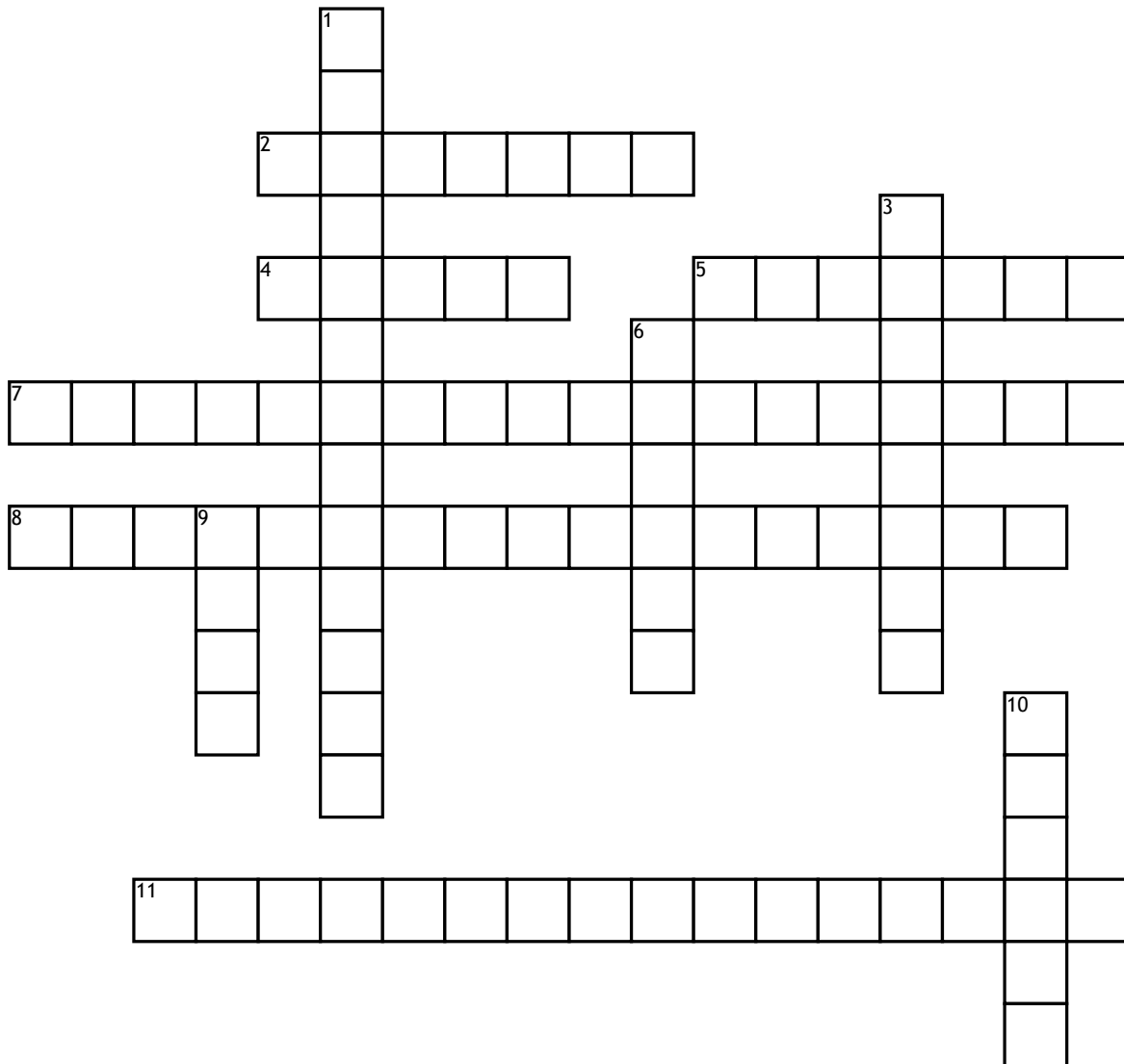


Name: \_\_\_\_\_

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

# atoms



## Across

2. in the nucleus of an atom and has a neutral charge
4. The smallest part of an element that has the same properties of the element.
5. in the nucleus of an atom and has a neutral charge
7. the smaller parts of an atom-protons, neutrons, electrons
8. characteristics of a substance that describe its tendency to combine with other substances and form new ones:iron's ability to rust, paper's ability to burn

11. property of matter that can be observed without changing the composition or identity of the matter:color, size, shape, elasticity, mass, composition, volume, density

## Down

1. in the electron cloud model of an atom, the region around the nucleus where an electron may be found
3. located in energy levels or shells surrounding the nucleus of an atom and has a negative charge
6. Has a positive charge, in nucleus of atom.
9. the amount of matter in something
10. anything that has mass and takes up space