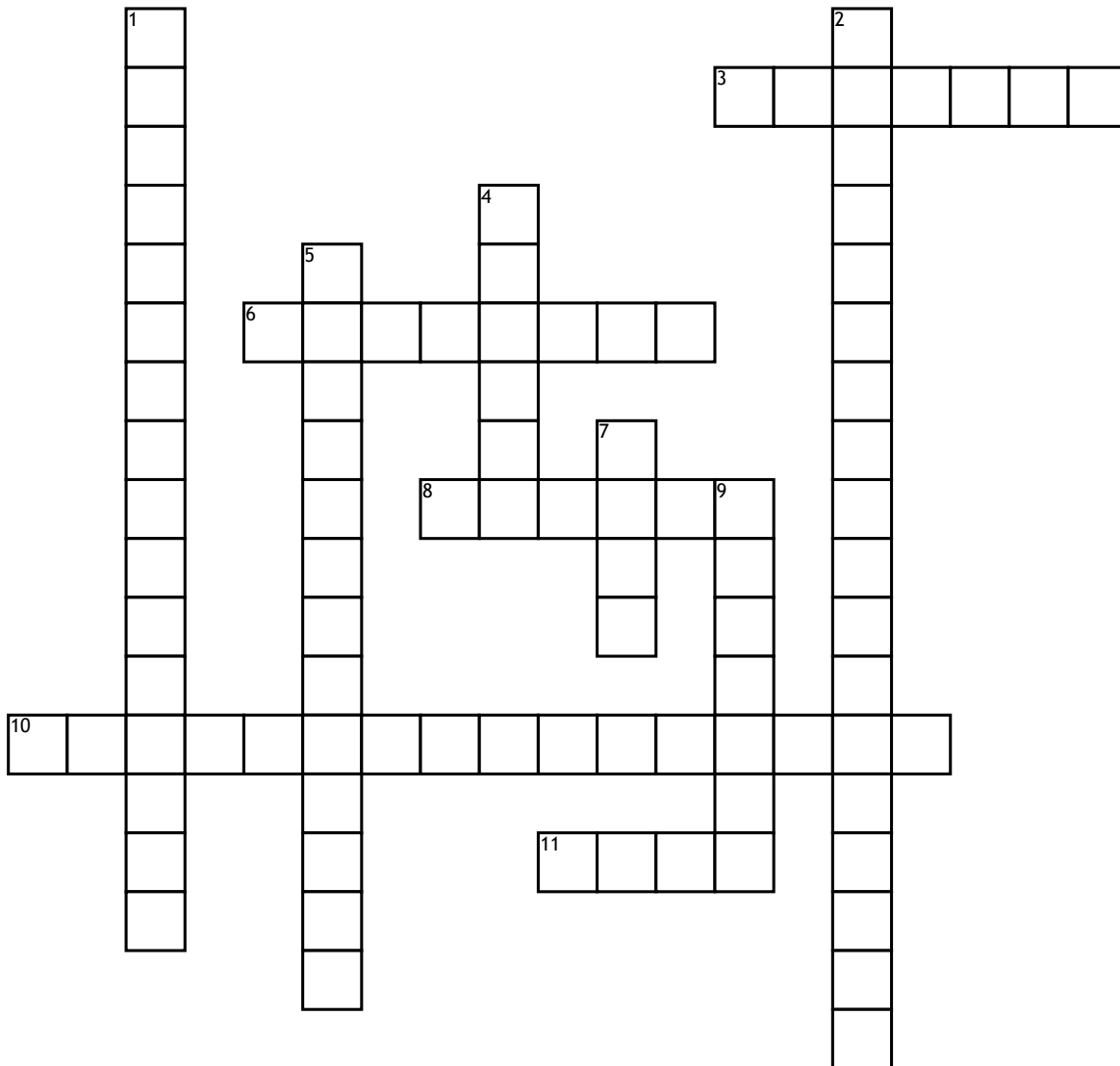


Name: \_\_\_\_\_

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

# 8.5



## Across

3. in the nucleus of an atom and has a neutral charge
6. located in energy levels or shells surrounding the nucleus of an atom and has a negative charge
8. Has a positive charge, in nucleus of atom.
10. 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. the amount of matter in something

## Down

1. property of matter that can be observed without changing the composition or identity of the matter:color, size, shape, elasticity, mass, composition, volume, density
2. the smaller parts of an atom-protons, neutrons, electrons
4. Anything that has mass and takes up space
5. in the electron cloud model of an atom, the region around the nucleus where an electron may be found
7. The smallest part of an element that has the same properties of the element.
9. the center of an atom containing protons and neutrons