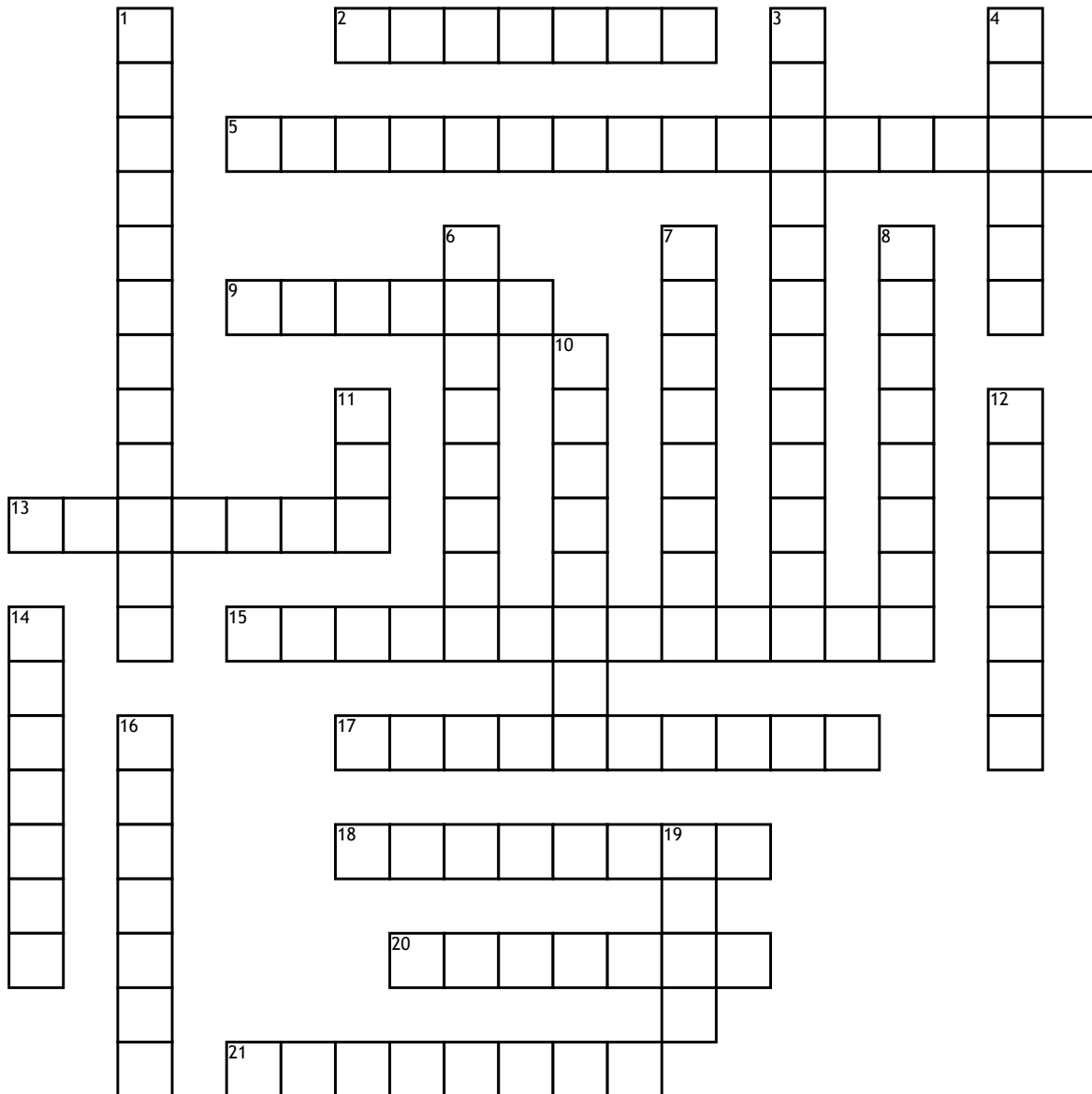


Name: _____

Date: _____

science



Across

2. A pure substance made of only one kind of atom

5. A characteristic of a pure substance that can be observed without changing it into another substance

9. A subatomic particle that has a positive charge and that is found in the nucleus of an atom

13. The splitting of an atomic nucleus to release energy.

15. Energy stored in the nucleus of an atom

17. the sum of the number of neutrons and protons in an atomic nucleus

18. any substance that has a definite composition

20. A subatomic particle that has no charge and that is found in the nucleus of an atom

21. A substance made up of atoms of two or more different elements joined by chemical bonds

Down

1. radioactive waste material produced by nuclear power plants

3. the number of protons in the nucleus of an atom

4. Anything that has mass and takes up space

6. A group of atoms bonded together

7. homogeneous mixture

8. anything of value that is owned or controlled

10. A subatomic particle that has a negative charge

11. A charged atom

12. Atoms of the same element that have different numbers of neutrons

14. mass/volume

16. A combination of two or more substances that are not chemically combined

19. Basic unit of matter