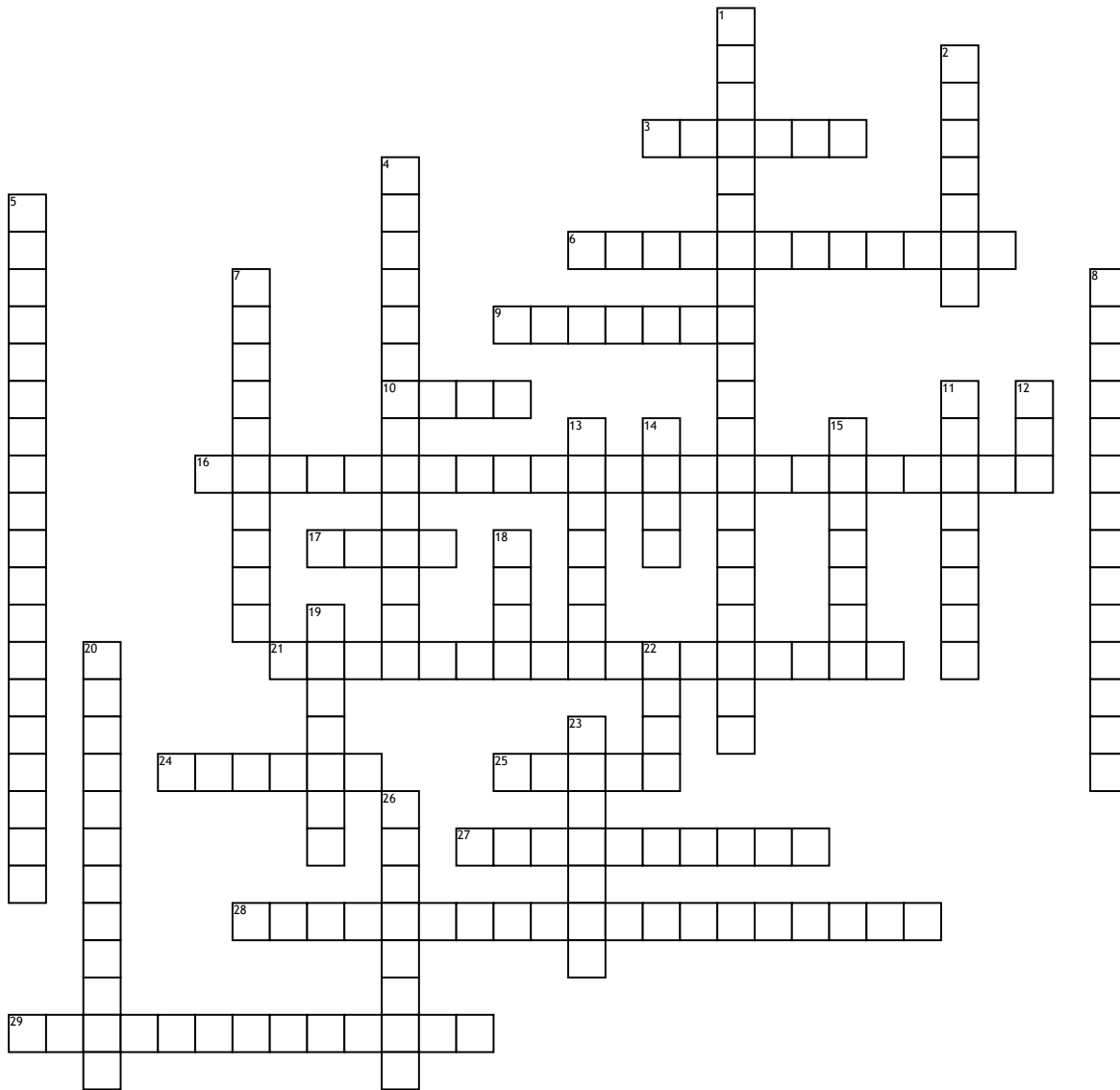


Name: _____

Date: _____

TCAP Vocabulary Review 8th Grade



Across

3. size of the gravitational force exerted on an object
6. variety of life in an ecosystem, measured by the number of species that live in a given area
9. combination of two or more elements/compounds that keep their physical properties, and are not chemically combined
10. smallest particle into which an element can be divided and still be the same substance
16. states that mass is neither created nor destroyed and as a result the mass of the substance before a physical or chemical change is equal to the mass of the substances present after
17. favoring, benefiting, or hoping for one outcome over another
21. variable that changes as a result of a change in the independent variable
24. matter with a definite volume but no definite shape and can flow from one place to another
25. matter with a definite shape and volume; tightly packed particles that move by vibrating

27. weighted average of the masses of all the naturally occurring isotopes of an element

28. variable that is changed in an experiment

29. magnet created by wrapping a current carrying wire around an iron core

Down

1. bioengineering that results in a product or process that helps living organisms but does not change them permanently
2. force that exists between any two objects that have mass
4. change in which the form or appearance of matter changes, but not its composition
5. engineering that results in a product or process that changes living organisms
7. any variation that makes an organism better suited to its environment
8. change in which the composition of a substance changes
11. substance that exists before a chemical reaction begins

12. matter that does not have a definite shape or volume; has particles that move at high speeds in all directions

13. substance that forms as a result of a chemical reaction

14. amount of matter in an object, measured in kilograms

15. standard to which the outcome of a test is compared

18. substance that accepts H^+ ions and produces hydroxide ions

19. mass of an object divided by its volume

20. number of protons in the nucleus of an atom

22. substance that releases H^+ ions and produces hydronium ions

23. substance that cannot be broken down into simpler substances

26. pure substance that contains two or more elements