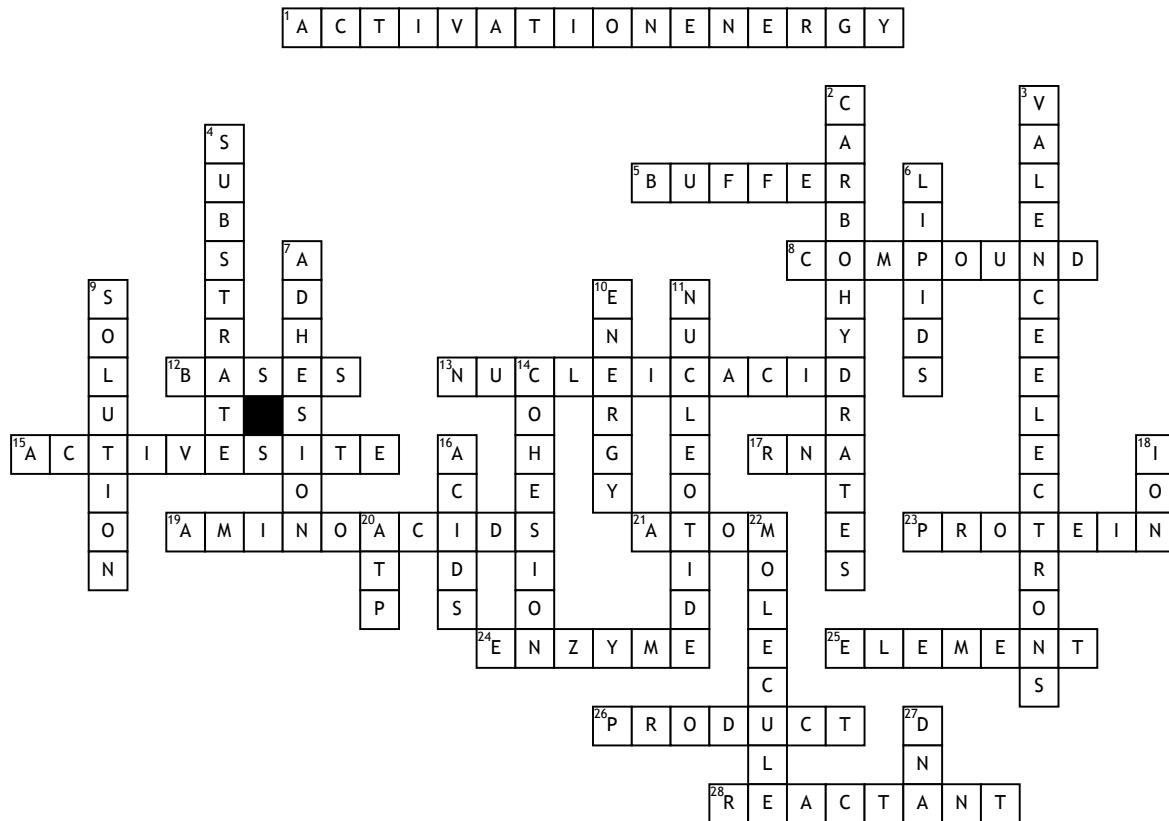


Name: _____

Date: _____

Ch 3 Review



Across

1. minimum amount of energy needed to start a chemical reaction

5. a solution made from a weak acid and its conjugate base that neutralizes small amounts of acids bases added to it

8. a substance made up of atoms of two or more different elements joined by chemical means

12. any compound that increases the number of hydroxide ions when dissolved in water

13. an organic compound whose molecules are made up of one or two chains of nucleotides and carry genetic information

15. site that substrates attach to on enzymes

17. a natural polymer that is present in all living cells and that plays a role in protein synthesis

19. a compound of a class of simple organic compounds that contain a carboxyl and an amino group and that form proteins

21. the smallest unit of an element that maintains the properties of that element

23. an organic compound that is made of one or more chains of amino acids and that is a principal of component of all cells

24. makes biochemical reactions go faster

25. a substance that can't be separated into a simpler substance by chemical means

26. formed in a chemical reaction

28. participant in a chemical reaction

Down

2. a class of molecules that includes sugars, starches, and fiber. Contains carbon hydrogen, and oxygen

3. an electron that is found in the outermost shell of an atom and that determines the atom's chemical properties

4. reactant in a reaction with an enzyme

6. a fat molecule or a molecule that has similar properties, including wax and steroids

7. the attractive force between two bodies of different substances that are in contact with each other

9. a homogeneous mixture throughout which two or more substances are uniformly dispersed

10. The capacity to change or move matter

11. an organic compound that consists of a sugar, a phosphate, and a nitrogenous base

14. the force that holds molecules of a single material together

16. any compound that increases the number of hydronium ions when dissolved in water

18. an atom, radical, or molecule that has gained or lost one or more electrons and has a negative or positive charge

20. an organic molecule that acts as the main energy source for cell processes

22. a group of atoms that are held together by chemical forces

27. the material that contains the information that determines inherited characteristics