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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Ch 2: CHEMISTRY OF LIFE

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2L |  | 3C |  |  C |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 4N |  U |  C |  L |  E |  I |  C |  A |  C |  I |  D |  S |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  P |  |  R |  |  D |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5S |  |  |  |  I |  |  B |  |  |  |  | 6P |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 8C |  |  L |  |  |  |  S |  |  Y |  |  |  |  |  L |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 9E |  L |  E |  M |  E |  N |  T |  |  R |  |  |  |  |  M |  |  |  |  |
|  |  |  |  |  |  |  |  | 10M |  |  |  |  M |  |  N |  |  |  |  |  |  A |  |  |  |  |  E |  |  |  |  |
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|  |  |  |  |  |  |  |  |  L |  |  |  |  C |  |  | 13S |  O |  L |  U |  T |  E |  |  E |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  E |  |  |  |  A |  |  |  |  N |  |  |  |  S |  |  A |  |  | 14P |  |  |  |  |
|  |  |  |  |  |  |  |  |  C |  |  |  |  L |  |  |  |  I |  |  |  |  |  |  C |  |  |  R |  |  |  |  |
|  |  |  |  |  |  | 15C |  |  U |  |  | 16P |  R |  O |  D |  U |  C |  T |  S |  |  |  |  T |  | 17I |  O |  N |  |  |  |
|  |  |  |  |  |  |  O |  |  L |  | 18B |  |  E |  |  |  |  B |  |  |  |  |  |  A |  |  |  T |  |  |  |  |
|  |  |  | 19A |  T |  O |  M |  |  E |  |  A |  |  A |  |  | 20S |  O |  L |  U |  T |  I |  O |  N |  |  |  E |  |  |  |  |
|  |  |  |  |  |  |  P |  |  |  |  S |  |  C |  |  |  |  N |  |  |  |  |  |  T |  |  |  I |  |  |  |  |
|  |  |  |  |  | 21C |  O |  V |  A |  L |  E |  N |  T |  B |  O |  N |  D |  | 22C |  O |  H |  E |  S |  I |  O |  N |  |  |  |  |
|  |  |  |  |  |  |  U |  |  |  |  |  |  I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  N |  |  |  |  | 23M |  O |  N |  O |  M |  E |  R |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  D |  |  |  | 24P |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 25A |  D |  H |  E |  S |  I |  O |  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across****4.** polymers that are made of monomers called nucleotides**7.** attraction between a slightly positive hydrogen atom and a slightly negative atom**9.** one particular type of atom which cannot be broken down into simpler substances**13.** substance that dissolves in a solvent**16.** substances made by a chemical reaction**17.** atom that gained or lost one or more electrons**19.** smallest basic unit of live**20.** mixture of substances that is the same throughout**21.** forms when atoms share a pair of electrons**22.** attraction among molecules of a substance**23.** small molecules that make up each subunit in a complete molecule**25.** attraction among molecules of different substances | **Down****1.** compound that releases a proton when dissolved in water**2.** nonpolar molecules that include fats, oils and cholesterol**3.** molecules composed of carbon, hydrogen and oxygen-sugars and starches**5.** substance that is present in the great amount and that dissolves another substance**6.** large molecule made of many small units bonded together**8.** change substances into different substances by breaking and forming chemical bonds**10.** two or more atoms held together by covalent bonds**11.** forms through the electrical force between atoms with opposite charges**12.** substances that change during a chemical reactions**14.** polymer made of monomers called amino acids**15.** substance made of atoms of different elements bonded together in a certain ratio**18.** compound that remove H+ ions from solution**24.** scale to measure acidity or H+ concentration |