**Skills Worksheet**: **Use your online Textbook Chapter 2 to find and fill in the answers to these Chapter Review Questions. Remember your online access is listed on Google Classroom or you can use a textbook in class. PLEASE USE A DIFFERENT COLOR FONT TO TYPE YOUR ANSWERS.**

**Vocabulary Review**

**In the space provided, write the letter of the description that best matches
each term.**

a.basic unit of matter that cannot be broken down by chemical means

b.a substance made of the joined atoms of two or more different elements

c.atom or molecule that have a positive or negative charge

d.a substance made of only one type of atom

e.one substance evenly distributed in another

f.substance that prevents pH changes

g.building blocks of protein contain an amino group and carboxyl group

h.measure of how acidic or basic a solution is

i.group of atoms held together by covalent bonds

 \_\_\_\_\_ 1. ion

 \_\_\_\_\_ 2. atom

 \_\_\_\_\_ 3. compound

 \_\_\_\_\_ 4. amino acids

 \_\_\_\_\_ 5. buffer

 \_\_\_\_\_ 6. pH

 \_\_\_\_\_ 7. element

 \_\_\_\_\_ 8. solution

 \_\_\_\_\_ 9. molecule

**Complete each statement by writing the correct term or phrase in the space provided.**

 10. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a substance on which an enzyme acts during a chemical reaction. (Section 2.4)

 11. An organic compound with a ratio of one carbon atom to two hydrogen atoms to one oxygen atom is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (Section 2.3)

 12. Atoms tend to combine with each other in a way that each atom will have eight valence \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (Section 2.1)

 13. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an organic compound that is not soluble
in water. (Section 2.3)

 14. A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a long chain of amino acids.(Section 2.3)

 15. Subunits of DNA and RNA are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (Section 2.3)

 16. DNA is a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that carries genetic information. (Section 2.3)

Vocabulary Review *continued*

**In the space provided, explain how the terms in each pair differ in meaning.**

 17. acid,base

 18. cohesion, adhesion

 19. enzyme, active site

 20. energy, activation energy

 21. DNA, RNA

 22. ATP, carbohydrate

23. reactant, product