

7th Scavenger Hunt 5.4

Date _____

Last Name _____, First _____ per _____

Pre-read chapter 5.4 starting on page 175 and find the answers to the scavenger hunt clues

1. What is the **title of chapter 5 section 4**? _____
2. **Key Terms page 175** What are the 3 key terms you need to learn in this section?
 - a. _____
 - b. _____
 - c. _____
3. **California Standards Focus 3 green keys pg 175, Complete the sentences.**
 - a. What forms the _____
 - b. How does a _____ produce _____?
 - c. How can _____ affect an organism?
4. **Lab Zone Standards Warm Up “Can You Crack The Code?”**
 - a. Decode the message written in code? _____

5. Examine the **picture on page 175**. How is the baby’s color different than the mother’s? _____
6. **Red Headings 5.4**
 - a. How many red headings are in section 5.4? _____
 - b. Copy the titles of each of the red headings in chapter 5 section 4?
 - i. _____
 - ii. _____
 - iii. _____
7. **Lab Zone Skills Activity “Drawing Conclusions” pg 177**
 - a. What letters are shown on the nucleic acid strand? _____
8. **Figure 16 , “The DNA Code” interpret the diagram.**
 - a. What are chromosomes made of? _____
 - b. What is DNA made of? _____
 - c. Where in cells are chromosomes located? _____
9. **Green Key Page 176**
 - a. What specifies the type of proteins a cell produces? _____

10. **Green Key page 177**
 - a. During protein synthesis, the cell uses information on a gene on a chromosome to produce what? _____

11. Highlighted words page 177 *Write the definitions.*

a. Messenger RNA _____

b. Transfer RNA _____

12. Figure 17 “Protein Synthesis” *interpret the diagram.*

a. To make proteins, what does messenger RNA do with DNA? _____

b. In picture 1 of this diagram, what is coming out of the nucleus?

c. In pictures 2, 3 and 4 ,shown in purple is the organelle in which proteins are manufactured. What organelle is that? _____

d. In picture 2, what kind of nucleic acid attaches itself to the purple ribosome?

e. What kind of nucleic acid, shown here in green is carrying the sphere shaped amino acids? _____

f. In picture 3 of this diagram, what does the transfer RNA, which is carrying the amino acids, attach itself to? _____

g. Picture 4 of the diagram shows something growing in length. What is it?

h. What is the growing protein made of? _____

13. Go Online Active Art Activity pg 179

a. If you were to go online to phschool.com and try the active art activity, ”Protein Synthesis”, what web code would you use? _____