

Investigation 3.14A: Final Case

Worksheet 3.14A

Dr. _____

P.____ Date:_____

Reflections

Directions: Reflect on your reading of this investigation to answer the following questions.

1. In what way are cancer cells different from normal cells?

2. Name three possible treatments for cancer:

- a. _____
- b. _____
- c. _____

3. What is the negative aspect of treating cancer with chemotherapy drugs and radiation?

4. DNA is an acronym for:_____

5. Where can DNA be found? _____

6. What is the name of the leading scientist in CRISPRS technology?

7. What does the acronym CRISPR stand for?

8. Name three causes of DNA mistakes or defects:

- a. _____
- b. _____
- c. _____

9. How does CRISPRS work?

10. Explain how the advance in technology has both helped and harmed life on Earth.

11. Write a paragraph about your feelings concerning our potential ability to modify the DNA of children stricken with genetic disorders.

12. Write a paragraph addressing your feelings about the moral obligation of scientists concerning potential misuses of CRISPR technology in the future.
