Carson

Silent Spring

Chapter 3

"Elixirs of Death

Thesis Statement: Underline the sentence which best matches the criteria of a thesis statement; Circle the most emphatic (forceful) words.

Instructions: In your journal, make an entry in which your respond to the 6 questions to which you are assigned, alphabetically, as follows:

- If your last name falls between A-D, record responses to questions 1-6;
- E-H, 7-12;
- I-L, 13-18
- M-P,19-24
- Q-T, 25-30
- U-Z, 31-37

In our Zoom discussion you will share your responses to your assigned questions with the class, while recording their responses in your journal. Note: you are responsible for answers to 4 of the 6 groups. During your teaching moment, please state each question to which you are responding in advance.

Questions for Analysis/Zoom Meeting:

A-D

1. What evidence does Carson provide to support her thesis?

2. With respect to the problem she is addressing, how long has it taken to occur?

3. What claim does she make regarding the distribution of these chemicals? Where are these chemicals turning up?

4. What additional evidence does Carson cite to develop this claim?

5. What are the implications for humans?

6. What does Carson cite as the origins of these insecticides? .

E-H

7. How do modern insecticides differ from their pre-war counterparts? What sets them apart?

8. How do they work once inside an organism? List 4 harmful effects:

9. What might be some implications of these effects for common diseases? Which ones?

10. How are these insecticides used? What profits do they generate? What facts does Carson provide?

11. What rationale does Carson use to justify her inquiry into the uses and effects of these chemicals? How does this relate to the last chapter's title. What sources does she cite?

12. What two broad groups do these insecticides fall into?

I-L

13. What do all of them have in common?

14. What properties does carbon possess that facilitates its use in insecticides?

15 How do carbon molecules interact with the human body once inside it? What are the implications for human health? How do they facilitate cancers and the spread of cancer throughout the body?

16. By substituting one hydrogen atom for one chlorine atom, what is produced. By substituting all 4 hydrogen with chlorine?

17. When was DDT first synthesized? Properties as insecticide discovered when? By who? *Prize)*

18. How was DDT used in WWII?

M-P

19. What are the differences between DDT in powder form and soluble form?

20. Once in the body, where is it stored? .

21. How does it enter the human system?

22. How do the fatty deposits act as "biological magnifiers" (p 21).

23. What are the implications for humans? .

24. What evidence does Carson cite to reinforce this claim? (Cite at least 3)

Q-T

25. Why do they pose a threat for chronic poisoning and liver degeneration?

26. How does Carson describe the levels of DDT found in the average person?

27. What evidence does she cite to prove this claim? What are the health implications of these evidence? Cite at least two)

28. What are some of the "sinister features" of DDT?

29. How does DDT enter human body: *food, reproductive cycle*

30.. What example does she cite to reinforce this claim?

U-Z

31. How is chlordane enter body?

32. How does chlordane find its way into suburbs?

33. List four other chlorinated hydrocarbons?

34. What disease associated with?

35. How much more toxic then DDT?

36. Where did our knowledge of these pesticides come from?

37.. Why was dieldrin substituted for DDT?

38. What are the side effects of dieldrin, aldrin? What examples?