

Name: _____

Date: _____

Lytic and Lysogenic Life Cycle Worksheet

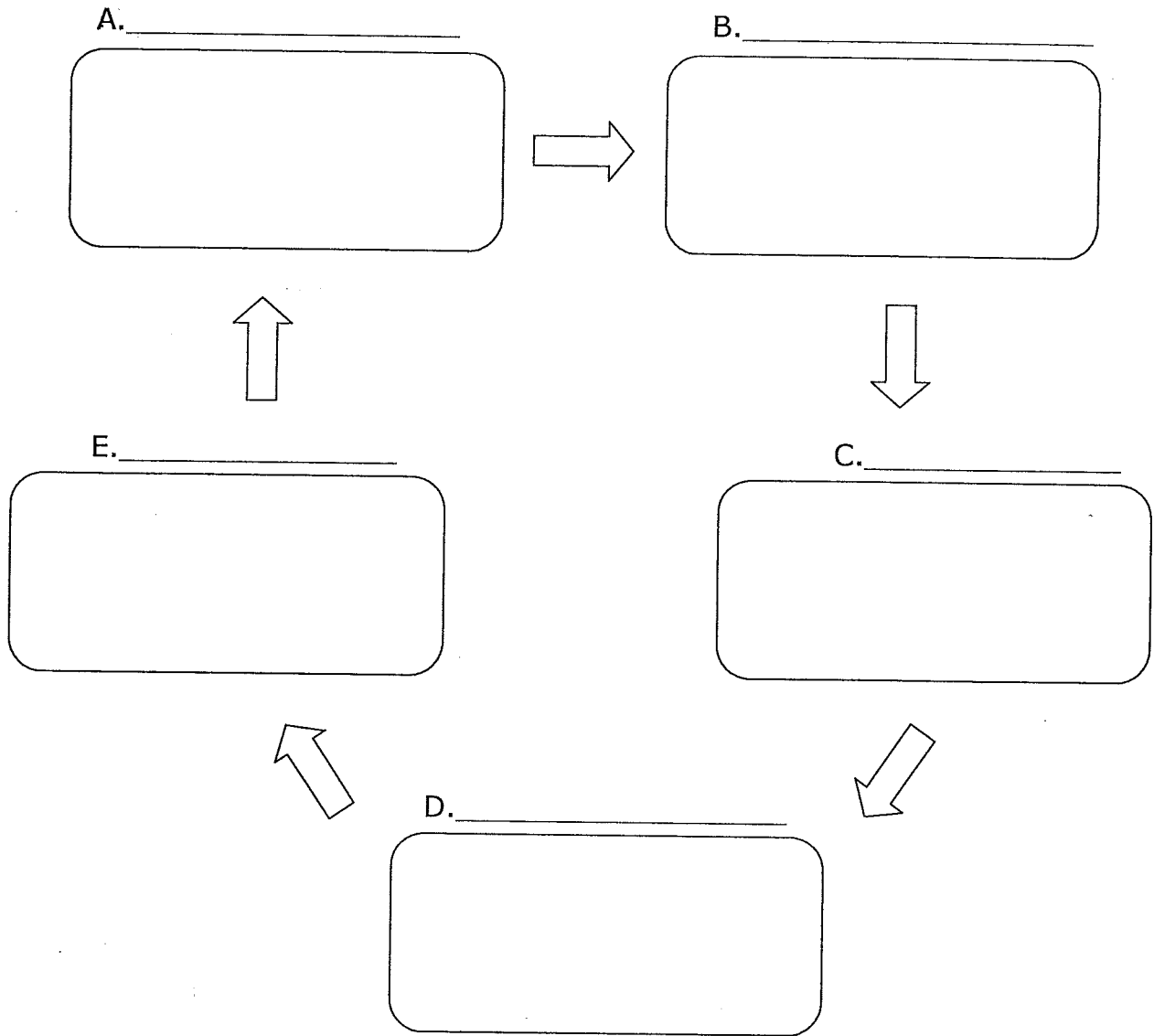
D.480

1. What happens in a lytic infection?
2. What happens in a lysogenic infection?
3. _____ is an example of a _____ that causes a lytic infection.
4. Bacteriophage lambda cause _____.
5. Why does the host cell begin to make mRNA from the genes of the virus? (in the lytic infection)
6. What happens to this viral mRNA?
7. What function do the viral proteins have?
8. Unlike lytic viruses, lysogenic viruses remain _____ for a period of time.
9. Define prophage.
10. Can a virus stay in prophage form indefinitely?

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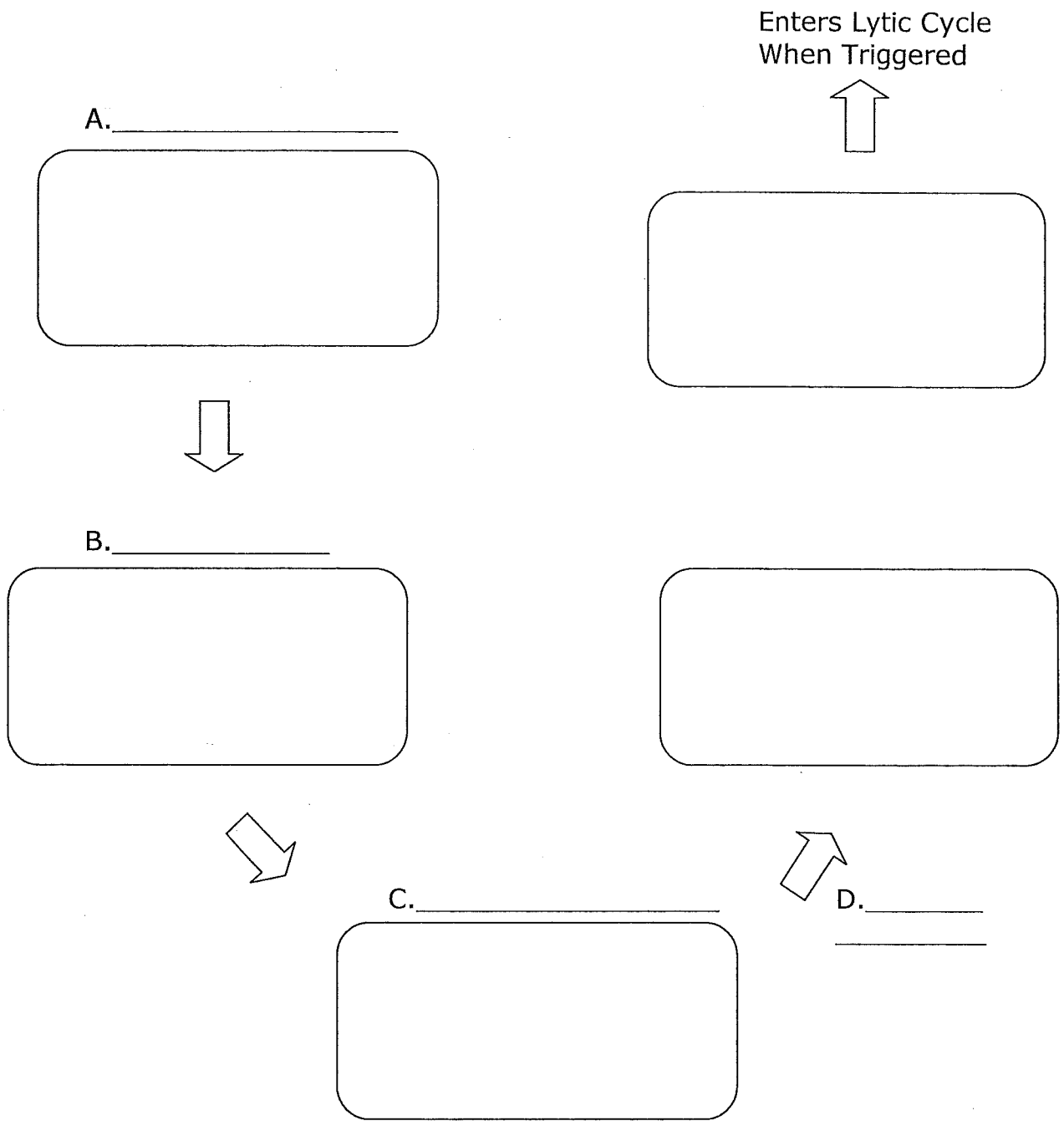
11. Draw the steps of the lytic infection:



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12. Draw the steps of the lysogenic infection:



13. In your own words, explain:

a) Lytic Life Cycle: (Talk about all the steps in the diagram)

b) Lysogenic Life Cycle: (Talk about all the steps in the diagram)