

## AP Biology 027 – DNA & RNA (Part 1)

### Video Review Sheet

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1. What two things did he want to show you with the peanut plant?
  - a. No matter what you are...
  - b. Humans can...
2. History of DNA:
  - a. Griffith's experiment:
    - i. Used "what" in his experiment?
    - ii. Big thing he learned: there was a...
  - b. Avery, McCarty, MacLeod:
    - i. Looked at Griffith's experiment and tried to find out...
    - ii. Used \_\_\_\_\_ that broke down DNA, protein and DNA
    - iii. What did they figure out?
  - c. Hershey and Chase:
    - i. What did most people think the transforming agent was?
    - ii. What did they work with?
    - iii. What did they show?
  - d. Watson, Crick, Wilkins, Franklin and Chargaff:
    - i. Wilkins and Franklins were doing experiments with:
    - ii. Chargaff: found out that the amount of ....
    - iii. Watson and Crick
      1. Watson sat in one of \_\_\_\_\_ secret meetings
      2. Used the information from \_\_\_\_\_ to help build models to figure out the structure of DNA
3. Structure of DNA:
  - a. DNA is wrapped around ....
  - b. Prokaryotic chromosome:
    - i. They have a \_\_\_\_\_ not a linear shape like eukaryotic chromosome
    - ii. Have extra DNA called:
    - iii. Prokaryotic cells do not have \_\_\_\_\_ DNA