

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