

Name: _____ Date: _____ Class: _____

DNA Forensics and Color Pigments Activity Worksheet

Once you have completed the activity, answer the following questions.

Questions on the DNA Forensics and Color Pigments activity:

1. What happens to the sample drops?
2. Which samples have a similar makeup?
3. Which samples appear dissimilar?
4. How can you apply your observations to restriction mapping?

Questions on restriction enzymes:

1. What does it mean when they say that Restriction Enzymes are “sequence specific”?
2. What is the purpose for the ligase?
3. How does electrophoresis separate the DNA fragments?
4. What is the difference between larger and smaller fragments and their migration distances?