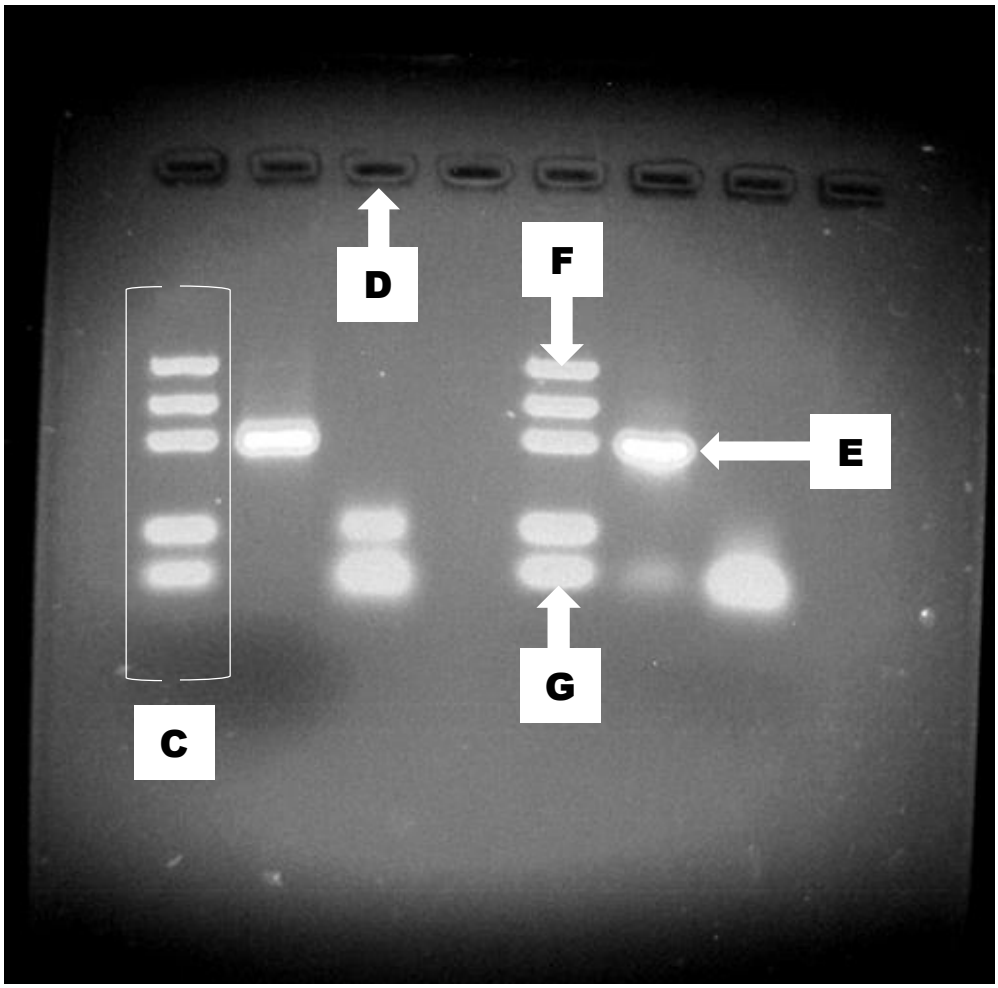
Name KEY Date_____ Class/Period_____



A

B

This a photograph of an actual agarose gel that has been run with samples of DNA. For each question, write the letter from the item in the gel that best matches the word or concept that is described. Answers may be used once, more than once, or not at all. There may be more than one correct answer per question.

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1. Band **E, F, or G**

2. Lane **C**

3. Well **D**

4. Will DNA migrate through the gel from A to B or will it migrate from B to A? DNA will migrate from: **A** to **B**

5. Which end is nearest the negative electrode, A or B? **A**

6. Which contains smaller DNA fragments, F or G? **G**

7. Which letter indicates the highest concentration of DNA fragments that are the same size? **E**

8. Where would a sample of DNA be loaded? **D**