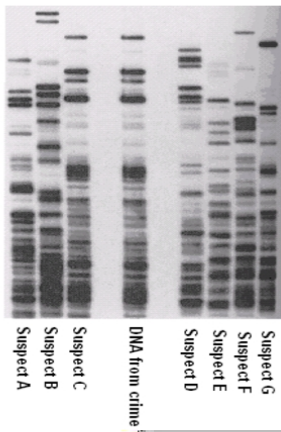


DNA Fingerprinting Worksheet

Name: _____

1. What exactly is DNA fingerprinting and how does it work?



2. You are a forensic scientist and you are given a sample of DNA from the crime scene and a sample from 7 different suspects. You create a DNA fingerprint and here is a picture of the gel you get back. Which of these suspects do you think committed the crime? How can you tell? Is this enough evidence to convict the suspect of this crime?

Fill in the blanks with the correct words from the word bank and color molecule models with proper colors

Word Bank

Adenine, Guanine, Uracil, RNA, Nucleobases of RNA, Nucleobases of DNA, Ribonucleic acid, Cytosine, Thymine, DNA, Deoxyribonucleic acid, Base pair, helix of sugar-phosphates

Color the RNA model with proper colors