

S T U D E N T H A N D O U T

Student Name: _____

- 1 What is DNA?
(What's it made of, where is it found?)
- 2 What kinds of items can scientists get DNA information from?
- 3 Why is the gel necessary?
- 4 What does current do to the material in the gel?
- 5 Why does each kind of cell end up with a different molecule arrangement?
- 6 What is this arrangement of molecules called?
- 7 A friend of yours is not home when he should be, and in his kitchen you found a knife and a blood spill that was only consistent with chicken blood. You could conclude that...
- 8 If in that same kitchen, more blood was found on a doorknob, and that blood matched the DNA of a known armed robber, what might you conclude?
- 9 In what other instances besides crime is might it be beneficial to know about 9. molecular structure?
(Try to name at least 2)
- 10 What decisions might you have to make, or vote on in the future because of these capabilities?

