NAME _____ DATE _____ HOUR _____ **BIOLOGY**

KARYOTYPE LAB - ANALYSIS & CONCLUSIONS WORKSHEET

You and your lab partner will EACH complete your own Karyotype Lab Analysis and Conclusions Worksheet. Staple both partners' worksheets to your karyotype before turning them in.

CHROMOSOME SPREAD CODE (circle one): A B C D E F

1. Who was your lab partner? _____

2. Examine your karyotype. Is the baby male or female? How do you know?

3. Will the baby be normal or have a chromosomal abnormality? If there is a chromosomal abnormality, which one is it? How do you know?

4. The Y chromosome closely resembles many of the other chromosomes. What did you have to do to determine that it was the Y chromosome?

5. If the karyotype you constructed were for a female with Down syndrome, what chromosome changes would be evident (compared to the baby you currently have)?

6. If your job were to inform the Smiths of their test results, what would you tell them about what their baby will be like?

7. Why are karyotypes important tools for geneticists?