

Heredity: Scene 1

Jason and Rochelle have been married for 3 years now and have been planning to have a kid. Jason seems to think the way his child will look depends on him.

Jason: Ya know, I think our son will have thick, black hair like me and be tall.

Rochelle: No, our child might have long red hair and be short like me.

Jason: It's more likely that our child will look more like me because everyone knows that male genes have dominant traits, while women have recessive traits.

Rochelle: Where did you get that information?

Jason: I took an introduction to biology course before I graduated from Clark Atlanta University. Which means, I know what I'm talking about.

Rochelle: So you are trying to tell me that your chromosomes are dominant while mine are recessive.

Jason: Yeah, that's what I'm telling you!

Rochelle: Ha, that can't be true; the phenotype of a child does not depend solely on the father.

Jason: Then what determines a child's heredity?

Rochelle: You should know, Mr. Introduction-to-biology.

Jason: Hey, I forgot. But I'll find out.

Heredity: Scene 2

During a visit to the doctors for an annual check up, Jason learns that the phenotype of a child does not solely depend on the male.

Jason: All right, so the phenotype does not solely depend on me. But either way, I feel we will have a boy, because I can feel it.

Rochelle: Well I told you that the fate of our child's looks does not depend only on you. Anyways, guess what, I learned something new today. I learned that the cells in my body are constantly growing and dividing.

Jason: I remember this! We both have chromosomes and chromatids. It's all part of the cell division cycle. If I remember correctly there are two different type of cell division. I can't remember the names of them. But the names are right on the tip of my tongue.

Rochelle: If you can figure them out I'll treat you to ice cream after dinner, but only if you figure them out.

Self/Group Evaluation Worksheet

Date: _____

Your Name: _____ Group #: _____

Instructions: Please circle the response with which you agree the most. This evaluation will only be read by your teacher(s) and will **not** be shown to other students.

1. How would you rate *your* participation in group discussion and group work?
5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

2. How would you rate *your* effort in completing the case?
5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

3. Did *you* complete the assigned homework? Yes No

If No, explain why:

4. How well did *you* work with everyone in your group?
5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

5. Overall, how would you rate *your* performance in this case?
5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

6. What praise or criticism do you have for other group members? What are your thoughts about the case?

Heredity: Box Chart

FACTS (I see that. . .)

HYPOTHESIS (I think that. . .)

1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.

INTERVIEW QUESTIONS
(who, what, where, why, when)

LEARNING ISSUES
(Need for further research)

1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.