

NAME _____

HOUR _____

GENETICS/HEREDITY LISTENING GUIDE

1. What is the name of the sex cell in the woman? _____

2. What is the name of the sex cell in the male? _____

3. What is contained in both of these sex cells? _____

4. Describe and define chromosomes.

5. How many chromosomes are there in each cell of the human body? _____

6. Explain how the union of a female ovum and male sperm creates a human being that has similarities and differences from other humans.

7. Define genes:

8. How many genes are there? _____

9. Define the following:
a. sex chromosomes:

b. meiosis:

c. dominant genes:

d. recessive genes:

e. sex-linked or X-linked defects:

f. syndrome:

g. congenital malformation:

h. multifactorial defects:

i. chromosomal error:

j. carrier:

k. amniocentesis:

10. What determines which characteristics a child will inherit from the parent?

11. Why is it probable that a brown-eyed mother and a blue-eyed father will have a brown-eyed child?

12. Which parent determines the sex of the child? Explain how this happens.

13. How are fraternal twins, triplets, and other multiple births produced?

14. How are identical twins produced?
