
Sex-Linkage Handout

As you work your way through the sex-linkage interactive activity, answer the following questions to help you collect the relevant information.

1. How many pairs of chromosomes do humans have? How many of these are autosomes and how many are sex chromosomes?
2. Define and explain autosomal inheritance.
3. What is sex linked inheritance? What sex alleles do females and males have?
4. How can an individual inherit an x-linked recessive disorder?

5. Explain what occurs in the following x-linked recessive inheritance disorders.

I. Hemophilia A

II. Red-green colour blindness

III. Duchenne muscular dystrophy

6. What are Y-linked disorders? How are they passed down? Provide an example of a Y-linked disorder.