

Karyotyping Activity

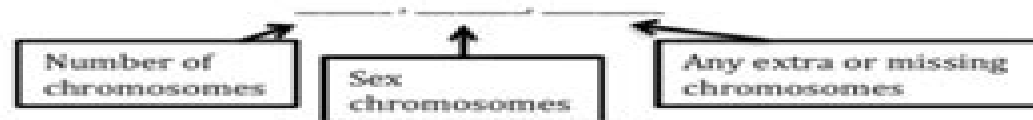
Purpose: This activity is a simulation of human karyotyping using digit images of chromosomes from actual human genetic studies.

Procedure:

1. Log on to the laptops
2. Go to www.biology.arizona.edu/human_bio/activities/karyotyping.html
3. Read through the introduction
4. Read through the Your assignment section
5. Complete the karyotype for each patient and answer the questions for each patient.
6. Answer questions A1, A2, B1, B2, C1 and C2
7. For the internet search you will search the genetic websites, but instead of summarizing the websites please write 2-3 sentences describing the genetic abnormality of each patient.

Questions:

A1. What notation would you use to characterize Patient A's karyotype?



A2. What diagnosis would you give patient A?

B1. What notation would you use to characterize Patient B's karyotype?

B2. What diagnosis would you give patient B?

Human Karyotyping Activity

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