

**Activity A:****Male and female karyotypes**Get the Gizmo ready:

- Click **Reset**.

Student

Exploration: Human Karyotyping

Vocabulary: autosome, chromosomal disorder, chromosome, genome, karyotype, sex chromosome

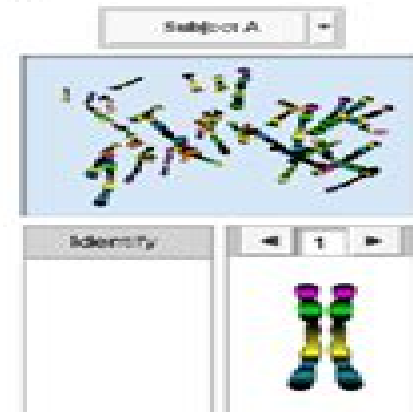
Gizmo Warm-up

Scientists use **karyotypes** to study the chromosomes in a cell. A karyotype is a picture showing a cell's chromosomes grouped together in pairs.

In the *Human Karyotyping Gizmo*, you will make karyotypes for five individuals. Look at the **SIMULATION** pane in the Gizmo (pictured to the right). Use the arrows to click through the numbered list of chromosomes at the bottom right of the pane.

1. *How does the appearance of the chromosomes change as you move through the list?*

2. *Examples the chromosomes labelled 'x' and 'y' – how do these chromosomes compare?*



Human Karyotyping Activity B Gizmo Answers

Camilla Rothe

A red circular graphic with a gradient, appearing as a partial circle or a thick curved line, located to the right of the author's name.

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Unveiling the Magic of Words: A Overview of "**Human Karyotyping Activty B Gizmo Answers**"

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