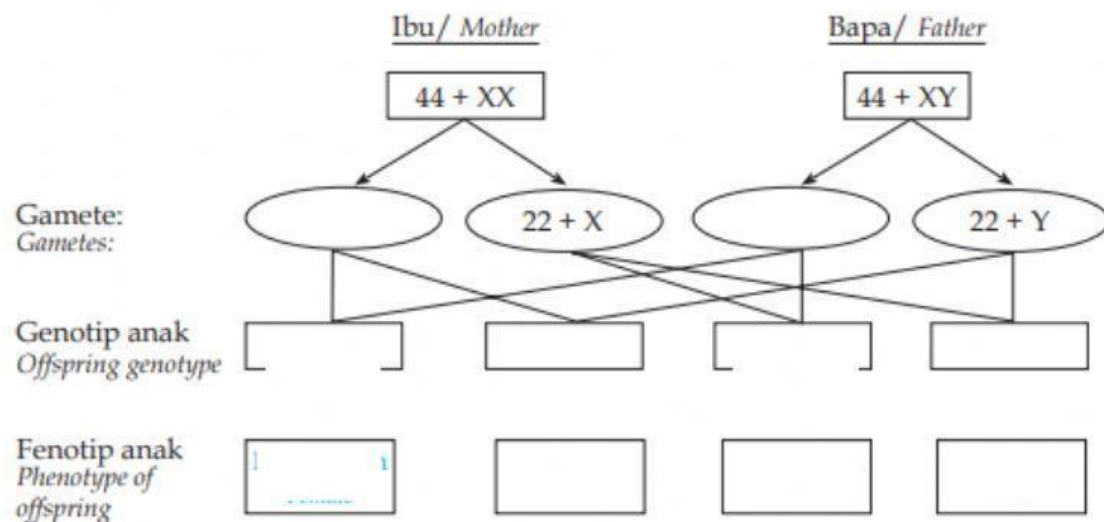


- 2 Lengkapi rajah kacukan di bawah untuk menunjukkan penentuan jantina anak. Kemudian, lengkapkan pernyataan berikut dengan perkataan yang betul. (TP3)
 Complete the crossbreed diagram below to show sex determination in the offspring. Then, complete the following statements with the correct words.



- (a) Seorang lelaki mempunyai 46 kromosom, iaitu _____ autosom dan dua kromosom seks _____. Sperma membawa sama ada kromosom _____ atau kromosom _____. Selepas meiosis, sperma mempunyai 23 kromosom, iaitu sama ada _____ atau _____.

A male has 46 chromosomes, which is _____ autosomes and two sex chromosomes _____. A sperm carries either a _____ chromosome or an _____ chromosome. After meiosis, a sperm has 23 chromosomes, which is either _____ or _____.

- (b) Seorang perempuan mempunyai 46 kromosom, iaitu _____ autosom dan dua kromosom seks _____. Setiap ovum membawa kromosom _____. Selepas meiosis, ovum mempunyai 23 kromosom, iaitu _____.

A female has 46 chromosomes, which is _____ autosomes and two sex chromosomes _____. Each ovum carries an _____ chromosome. After meiosis, an ovum has 23 chromosomes, which is _____.

- (c) Semasa proses _____, sperma bergabung dengan ovum membentuk _____. Jika sperma (22 + Y) bergabung dengan ovum (22 + X), zigot yang terhasil mempunyai kromosom (44 + XY), dan anak _____ terhasil.

During the process of _____, a sperm fuses with an ovum to form a _____. If a sperm (22 + Y) combines with an ovum (22 + X), the zygote formed has (44 + XY) chromosomes, and a _____ offspring is produced.

- (d) Jika sperma (22 + X) bergabung dengan ovum (22 + X), zigot yang terhasil mempunyai kromosom (44 + XX), dan anak _____ terhasil.

If a sperm (22 + X) combines with an ovum (22 + X), the zygote formed has (44 + XX) chromosomes, and a _____ offspring is produced.