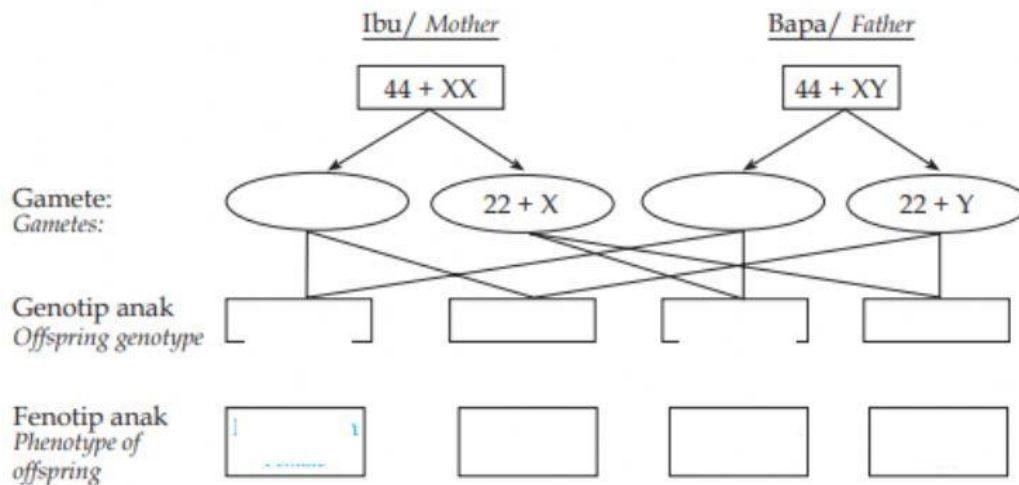


- 2 Lengkapi rajah kacukan di bawah untuk menunjukkan penentuan jantina anak. Kemudian, lengkapi pernyataan berikut dengan perkataan yang betul. (TP3)  
 Complete the crossbreed diagram below to show sex determination in the offspring. Then, complete the following statements with the correct words.



- (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), zygot 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), zygot 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.*