

B) Post mating

(i) Gametic mortality: In some cases of mating between two individuals of different species, female genital tract secretes antigenic or spermicidal secretion which kills sperm.

(ii) Zygotic mortality: In some cases mating fertilization & formation of hybrid zygote occur but development is not completed. Abortion of hybrid of sheep and goat occurs prior to birth.

(iii) Hybrid inviability: In some cases hybrid is formed but it is weak and only of one sex. Hence continuation of its race becomes impossible.

(iv) Hybrid sterility: In some cases hybrids are of normal vigour but sterile. This stops the continuation of its next generation. Mule is the classical example of this.

(v) Hybrid break down: When hybrids are of normal vigour and fertile in first generation but of reduced vigour in second generation to such an extent which makes the continuation of race impossible then it is called hybrid break down.