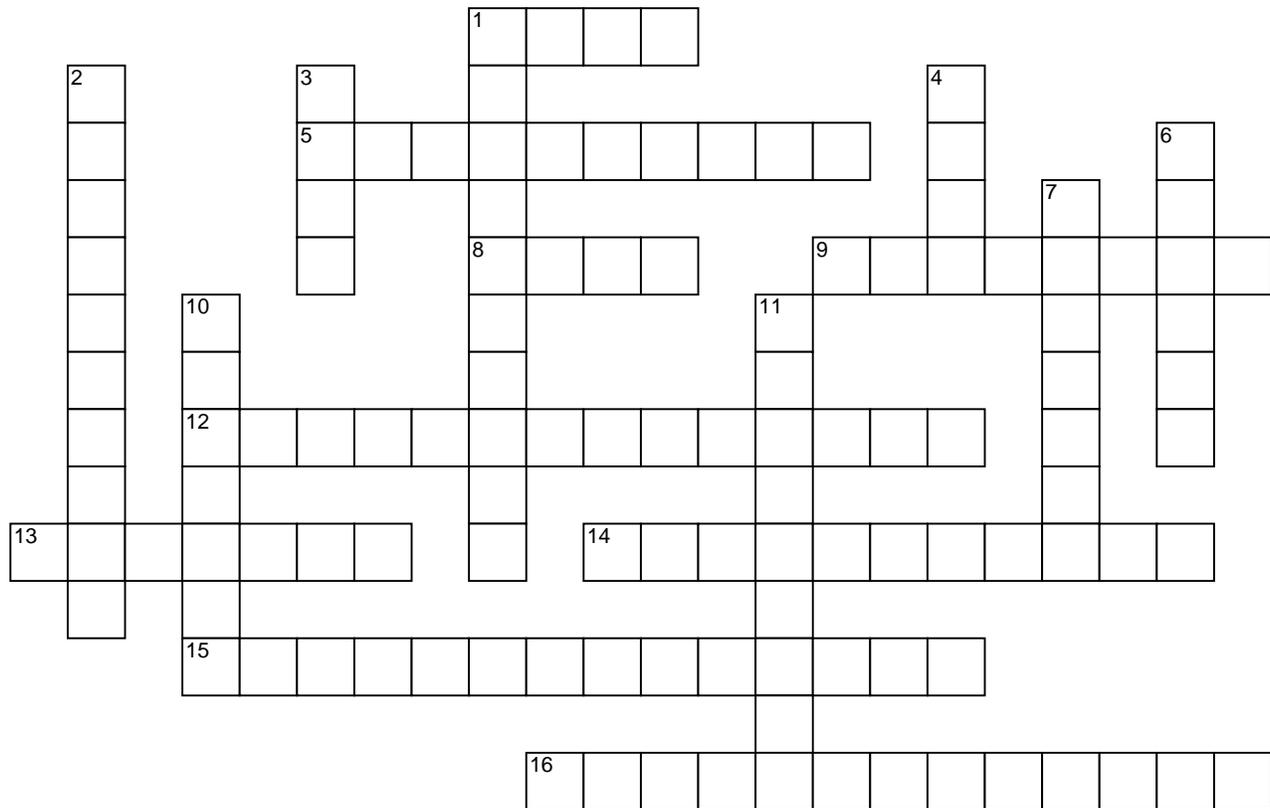


Roland-Story Biology

Lesson 3.2 -- Generating Generations



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ACROSS

- 1 To pair off two animals of opposite sexes for reproduction.
- 5 The mating of very closely related animals
- 8 A system of animal breeding in which the breeder controls the number of times coitus is performed.
- 9 Active movement in artificial insemination of the sperm in a male's semen.
- 12 The stimulation of more than the usual number of ovulations during a single estrous cycle due to the injection of certain hormones.
- 13 A system of breeding that pairs a live male and female; often referred to as live cover.
- 14 The increase of size, speed of growth, and vitality of a crossbreed over its parents. See heterosis.
- 15 The removal of developing embryos from one female and their transfer to the uterus of another
- 16 The breeding of plants or animals that belong to different races, breeds, and varieties.

DOWN

- 1 A branch of biologic science that deals with the forms, rather than the functions, of plants and animals.
- 2 The deposition of spermatozoa in the female genitalia by artificial rather than by natural means.
- 3 breeding - Mating of selected members of successive generations among themselves in an effort to maintain or fix desirable characteristics.
- 4 An animal in estrus that is ready to breed.
- 6 synchronization - Using synthetic hormones to make a group of females come into heat at the same time.
- 7 When cells or organisms are genetically identical to each other, they are said to be clones.
- 10 A system of breeding that allows animals to mate at will in the pasture or field.
- 11 The amount of superiority observed or measured in crossbred animals compared with the average of their purebred parents; hybrid vigor