

- H. 1. It is a technology used to produce an animal that has the same genetic material as another living as previously existing animal.
2. Male reproduction system : Pair of testes, a pair of ducts, vas deferens, penis.  
Female reproductive system : Ovaries, fallopian tubes, uterus, vagina.

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Chapter

## Reaching the Age of Adolescence

Science  
class-8

- A. 1. Personal hygiene, Physical exercises  
2. Increase in weight, voice changes
- B. 1. (a); 2. (c); 3. (d); 4. (a)
- C. 1. HIV; 2. XX, XY; 3. oral cancer; 4. menarche
- D. 1. (c); 2. (d); 3. (a); 4. (e); 5. (b)
- E. 1. Puberty is the age when a boy or girl becomes sexually mature to reproduce.  
2. AIDS stands for Acquired Immuno Deficiency Syndrome. The disease AIDS is caused by a dangerous HIV virus.  
3. The sexual cycle in females (or women) is called menstruation cycle.  
4. The first menstrual flow which begins at puberty in women is termed as menarche.
- F. 1. You will notice that rate of development of secondary sex characteristics varies from individual to individual. Some may show changes suddenly and then slow down, while others may show changes gradually. Some are listed below :
- (a) Increase in weight
  - (b) Shoulders and chest
  - (c) Increase in height
  - (d) Development of muscles
  - (e) Increased activity of sweat and sebaceous glands
2. (a) Acne : Acne is a common problem among adolescents. It appears in boys and girls around the beginning of puberty. The hormonal changes that are happening inside your body cause the sebaceous glands to become more active. Most teenagers get acne on the face, neck, upper back etc.
- (b) Voice Change : Both girls and boys are affected by voice changes during their adolescence. In girls the voice becomes slightly deeper. In boys, the voice becomes high pitched.
3. (a) Pituitary gland : Growth hormone secreted by pituitary gland. It promotes