

YEAR 10 TEST NEW GENERATIONS

NAME _____

1. Numbers are used to label the diagram of the female anatomy. Name the parts indicated by the numbers below.

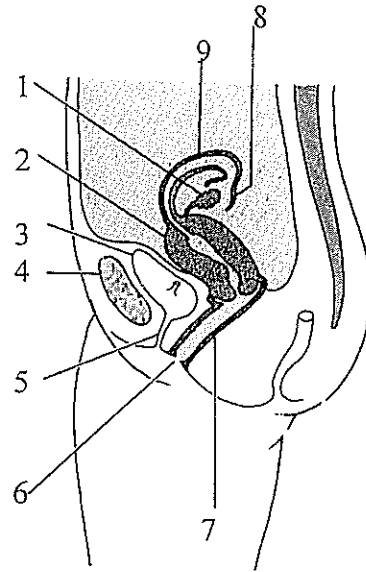
1. _____

2. _____

5. _____

7. _____

9. _____



2. What are the two main differences between sexual and asexual reproduction?

3. Name two types of asexual reproduction and the organism that uses that form of reproduction.

4. Draw an animal cell and label the three main parts.

5. The tongue-rolling gene is dominant to the non tongue-rolling gene. Work out the phenotypic and genotypic ratios for a pure breed tongue-roller mated with a hybrid tongue-roller. Show all working.

6. What is fertilization and name the product?

7. Name the three female parts of a flower.

8. The following questions refer to meiosis in humans.

a. Where does the process occur?

b. How many daughter cells are produced? _____

c. How many chromosomes are there in each daughter cell? _____

9. When a yellow-coated guinea pig is crossed with a white-coated guinea pig the offspring have a cream-coloured coat.

a. What is this phenomena called? _____

b. If a yellow-coated guinea pig is crossed with a cream-coloured guinea pig what is the percentage chance of the offspring being yellow-coated? Show all working.

10. Where is D.N.A. found? Be specific. _____