

Name _____

Sexual vs. Asexual Reproduction

1. What is the definition of sexual reproduction _____

2. What is the definition of asexual reproduction _____

3. What is one way a plant can reproduce sexually _____

4. What is one way a plant can reproduce asexually _____

5. For each of the advantages, list whether it is an advantage of sexual (S) or asexual (A) reproduction.

Better adaptations _____ Increased diversity _____

Fast _____ Perfect Copies _____

Better survival _____ Convenient _____

6. For each of the disadvantages, list whether that applies to sexual (S) or asexual (A) reproduction

Fewer offspring _____ Slow _____

Bad original, bad copy _____ No variety _____

Inconvenient _____ One gets killed, all in danger _____

7. What is one human cell that reproduces ASEXUALLY _____

8. What would be the problem of this cell reproducing sexually? _____

9. Name one human cell which is involved in SEXUAL reproduction _____

10. What would be the result of humans reproducing asexually? _____

11. What is a mutation? _____

12. What is cancer? _____

13. Are all mutations bad? _____ Why do you believe this? _____

14. What does DNA most closely resemble? _____

15. What is the matching strand to the following chain of DNA?

A T C G G A T T C T A T A G C C A T C A C T G A G C G T C

16. A codon is a group of _____ base pairs.

17. Make a punnett square cross between a heterozygous yellow and a green pea plant (Yy x yy)

18. Draw a model of a strand of DNA.