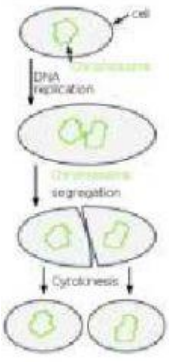
Learning Target: I can compare & contrast the advantages and disadvantages of sexual and asexual reproduction.

Pros & Cons of Sexual and Asexual Reproduction Video Notes

1. What is our learning target for today?
2. What are two forms of asexual reproduction?
3. What happens during asexual reproduction?
4. Binary fission occurs in Mitosis occurs in



Binary Fission – Advantages of Asexual Reproduction

5. 1st Binary fission is _____and_____than _____
6. 2nd No _____ needed, so _____ used to _____
7. 3rd Bacteria populations grow _____ since the _____ process is so _____
8. Bacteria large population gives them a _____

   Bacteria large population allows them to _____ other organisms for _____
9. 4th Frequent _____ can _____ bacteria populations from being _____

Binary Fission – Disadvantages of Asexual Reproduction

10. 1st Most _____ in bacteria _____ the population.

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11. 2nd Can be _____ for bacteria to _____. Why is this so? _____

_____

What can extreme temperatures do to bacteria populations? _____

12. 3rd Bacteria have to _____ with each other for _____

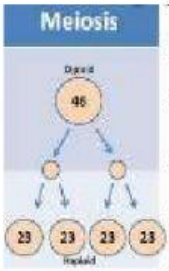
13. 4th Bacteria population can be _____ by _____ since they are mostly the _____

_____

Less genetic diversity = _____ Why is this so? _____

_____

More genetic diversity = _____



Meiosis overview

14. Meiosis goes through _____ cycles of _____.

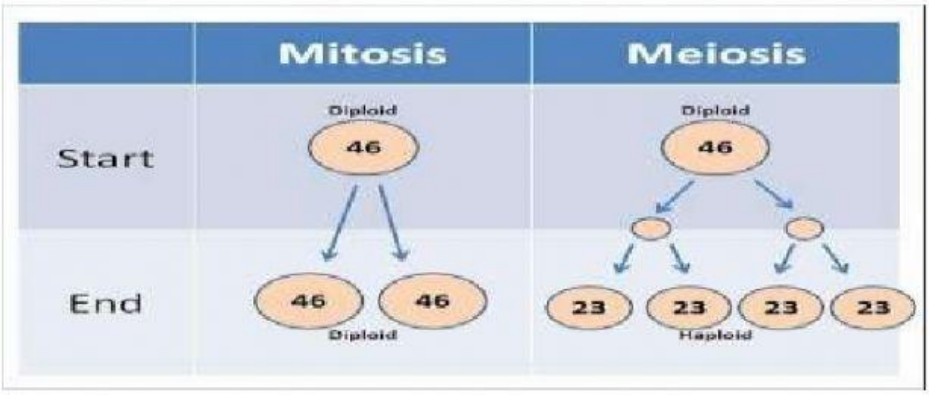
Gametes/sex cells for males is called _____. Gametes/sex cells for females is called _____

15. PMAT is _____

16. What is the goal of Meiosis? _____

17. What is the difference between Mitosis and Meiosis? (Analyze the diagram below) _____

_____



18. Meiosis produces genetically _____ daughter cells from the parent cell which leads to more

_____

19. The most important part of meiosis is during Prophase 1 which is when _____ occurs. What does crossing over lead to? _____

20. Why is crossing over so important? _____

More genetic variety = _____

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Meiosis – Advantages of Sexual Reproduction

21. 1st Offspring have characteristics of _____ which makes them _____ and not _____ _____ = _____!

22. 2nd Sexual Reproduction creates more _____. Genetic differences = _____

23. 3rd Sexual Reproduction creates genetic diversity = _____

24. 4th Sexual Reproduction helps prevent _____

Meiosis – Disadvantages of Sexual Reproduction

25. 1st Sexual Reproduction does _____

Sexual Reproduction = _____ = _____

26. 2nd Sexual Reproduction requires _____ = Some may not _____

27. 3rd Favorable genetics may not _____

What are some examples of this? _____

28. 4th Can get _____

29. 5th Fewer offspring/children are _____, more _____ is required for _____

30. Write three differences between sexual and asexual reproduction.

Scan the QR Code to take the video quiz!

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