

Bozeman Science Phases of Meiosis Video Notes

1. What is the purpose of Mitosis?
2. What is the purpose of Meiosis? The cells from Meiosis are destined to be _____
3. What is the whole point of sex?
4. What pneumonic can you use to help you remember the phases of Meiosis? _____
5. Draw the chromosomes shown at 1:00. A chromosome comes from our _____
We call these _____. Each chromosome has _____ of
genes on it. We get ___ copies of all those genes one from ___ and one from _____.
6. Why do the chromosomes look like an X at 1:40 in the video? _____
_____ What are they called? _____
Draw the chromosomes below.
7. What is the function of the centrosome? What is it made of?
8. Draw the picture of Interphase at 2:41 and label. Draw the picture of interphase at 2:51 and label.
9. What happens during Prophase I? What is the most important part of Prophase 1 of Meiosis?
Explain why.

10. What happens during Metaphase I?
11. What does independent orientation mean and why is it important?
12. What happens during anaphase I?
13. What happens during telophase I?
14. What happens during Cytokinesis?
15. What occurs during Prophase II?
16. What occurs during Metaphase II?
17. What occurs during Anaphase II?
18. What occurs during Telophase II & Cytokinesis?
19. What would happen next in the circle of life?
20. What is the result at the end of Meiosis II? Draw the picture below.

