

Amoeba Sisters Meiosis (updated)

Name:

Block:

1) _____ makes identical body cells like your _____
and _____

2) Recall that since mitosis makes _____
mitosis is important for _____,
and / or _____

3) Meiosis is a process that _____

4) _____ does not make _____ it makes
_____ otherwise known as _____
(quick drawing) (name)

5) Recall that humans have _____ which most body
cells have.

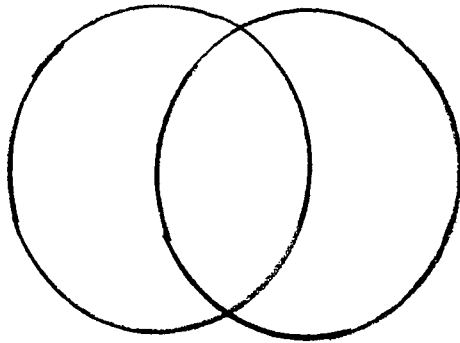
6) Some cells such as _____ and _____
do not have _____, instead they have _____

7) When a sperm cell with _____ comes together
with an _____ which has _____
it makes _____. That will allow for a _____
formed _____ to develop _____

8) Meiosis is what we call a _____ because the starting cell has _____ and the ending _____ have only _____

9) Reminder: Gametes are _____

10 Drawing of Mitosis / Interphase / Meiosis (quick drawing)



11) Interphase consists of the following three (3) things

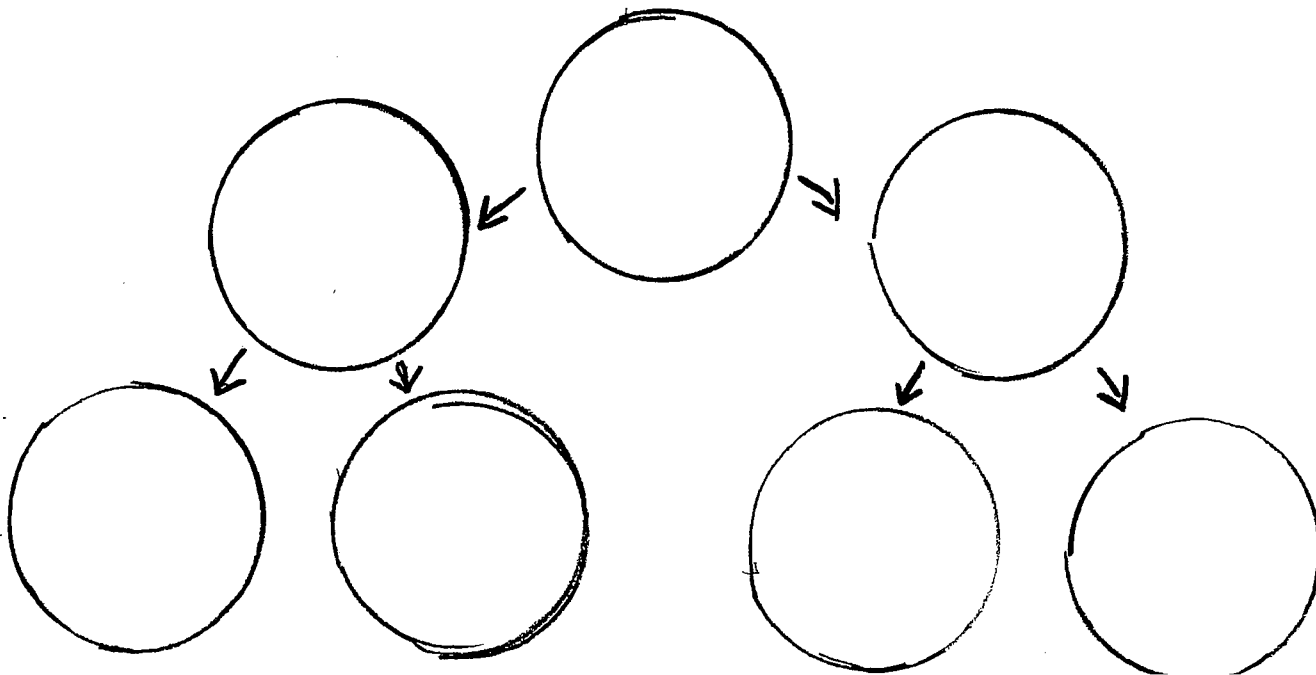
12) Chromosomes are made of _____ (genetic material) and _____

13) We count the _____ by the _____ present.

14) When the 46 chromosomes duplicate the _____ are still attached and we count them by the _____

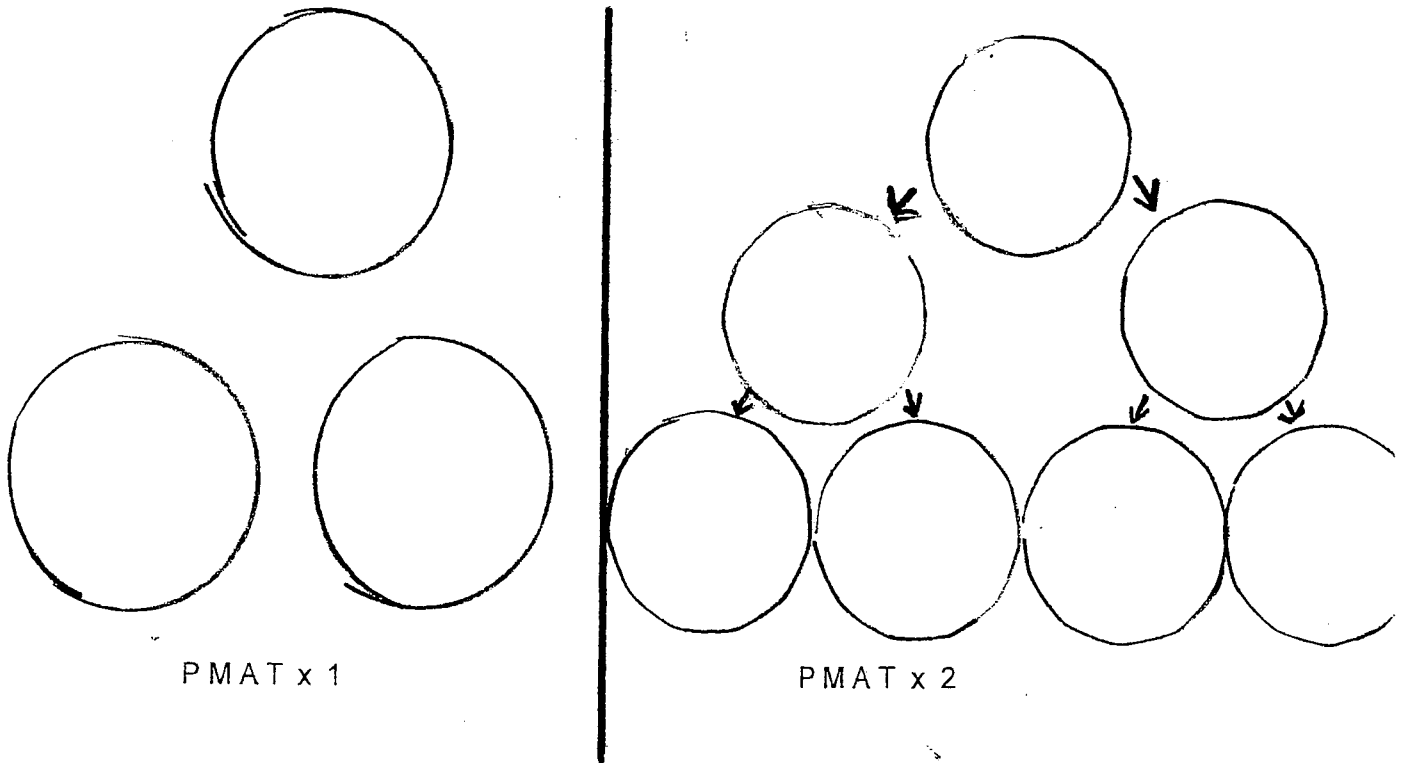
15) When 46 chromosomes replicate we end up with _____

16) The following diagram illustrates REDUCTION DIVISION:



17) The following diagram compares

MITOSIS vs MEIOSIS



18) Prophase I means _____

Main characteristic _____

(drawing)

(key points / characteristics)

19) Homologous chromosomes means _____

and _____ in the same locations

(drawing)

(key points / characteristics)

20) Crossing over can occur during _____, this is where
The _____ are closely lined up with each other
and can _____ their _____ with each other

(drawing)

21) If _____ happens, we get what is called
_____ which contribute to
_____ of genes

22) Watch the next part of the video and draw / explain what occurs during Metaphase II