

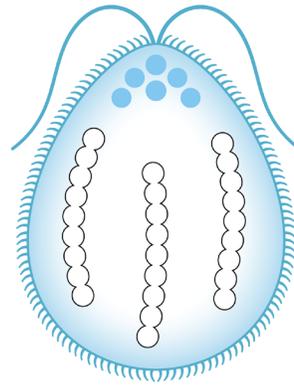
How Genes Are Inherited Student Sheet

Watch the video *How Genes Are Inherited*. Fill in this sheet as you follow along.

ASEXUAL REPRODUCTION

Use the diagram to show how this organism makes two genetically identical offspring.

1. Find, label, and color the genes.

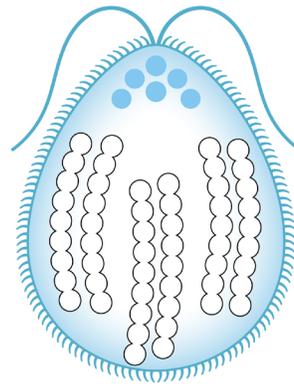


2. What's happening at this step?

2.



3. Find, label, and color the copies.

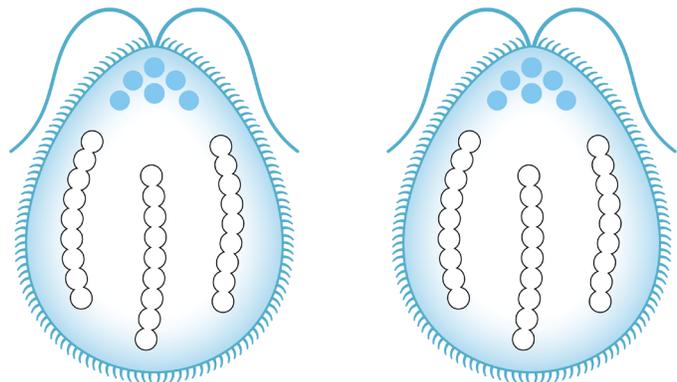


4. What's happening at this step?

4.



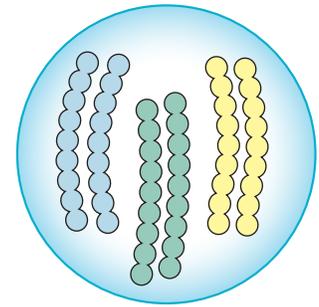
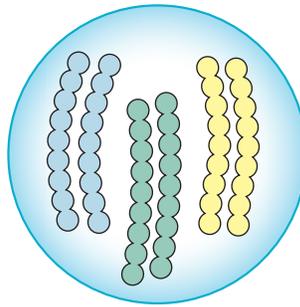
5. Describe these organisms in terms of similarities and differences in their genes and traits.



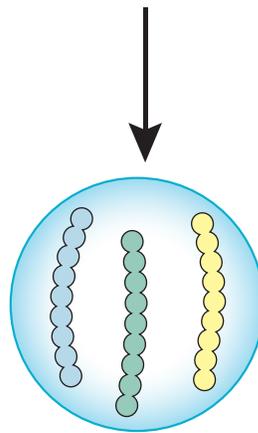
SEXUAL REPRODUCTION

Use the diagram to show how two parents make offspring that vary.

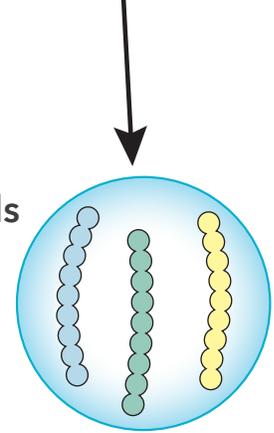
1. Find and label the genes. Label the alleles and draw patterns to make each one different.



2. Fill in patterns and label the alleles in the reproductive cells. How is each reproductive cell different?

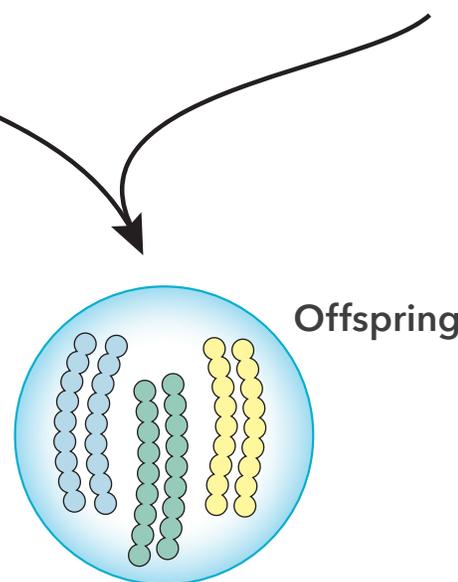


Reproductive Cells



3. What's happening in this step?

4. Color and label the alleles in the offspring.



Offspring

5. Describe this offspring in terms of similarities and differences in their genes and the traits they will grow to have.