

Tape the Unit 5 Cover Sheet onto pg. 49

- 1. What are the two kinds of reproduction?**
- 2. How many cells did YOU start with?**
- 3. Take the survey:**

<https://bit.ly/2NS33dk>



Asexual Reproduction

- **A= not, without**

Asexual Reproduction

- **Asexual reproduction is a kind of reproduction involving only one parent**

Asexual Reproduction

- Table Groups: 10 min
 - Read about the kind of asexual reproduction on the card you are given
 - Fill out your row of the table
 - **MAKE SURE EVERYONE UNDERSTANDS THE PROCESS AND EXAMPLES**

Asexual Reproduction

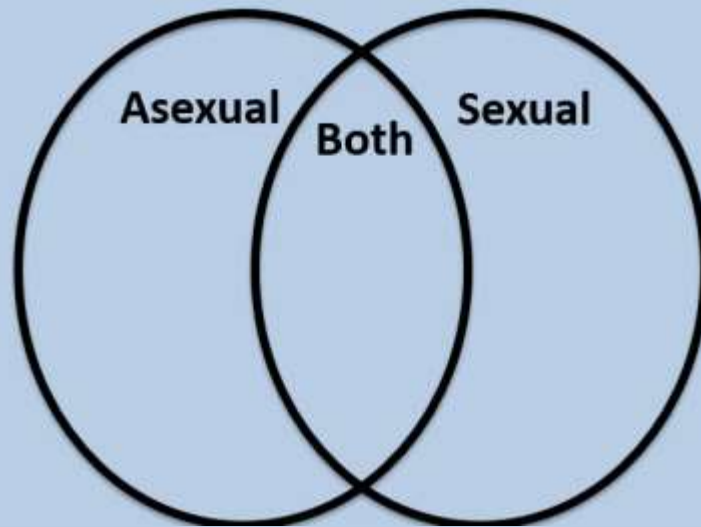
- Letter Groups: 10 min
 - Table groups 1-4
 - A's go to station 1
 - B's go to station 2
 - C's go to station 3
 - D's and E's go to station 4
 - Table groups 5-8
 - A's go to station 5
 - B's go to station 6
 - C's go to station 7
 - D's and E's go to station 8

Asexual Reproduction

- Letter Groups: 10 min
 - Each person should teach the others about the kind of asexual reproduction they learned about
 - Everyone should fill in the table in their own notes

Asexual Reproduction

- When you are done:
 - In your notebook (pg. 50) write 1-8 (1-2 lines each)
 - Make a Venn Diagram



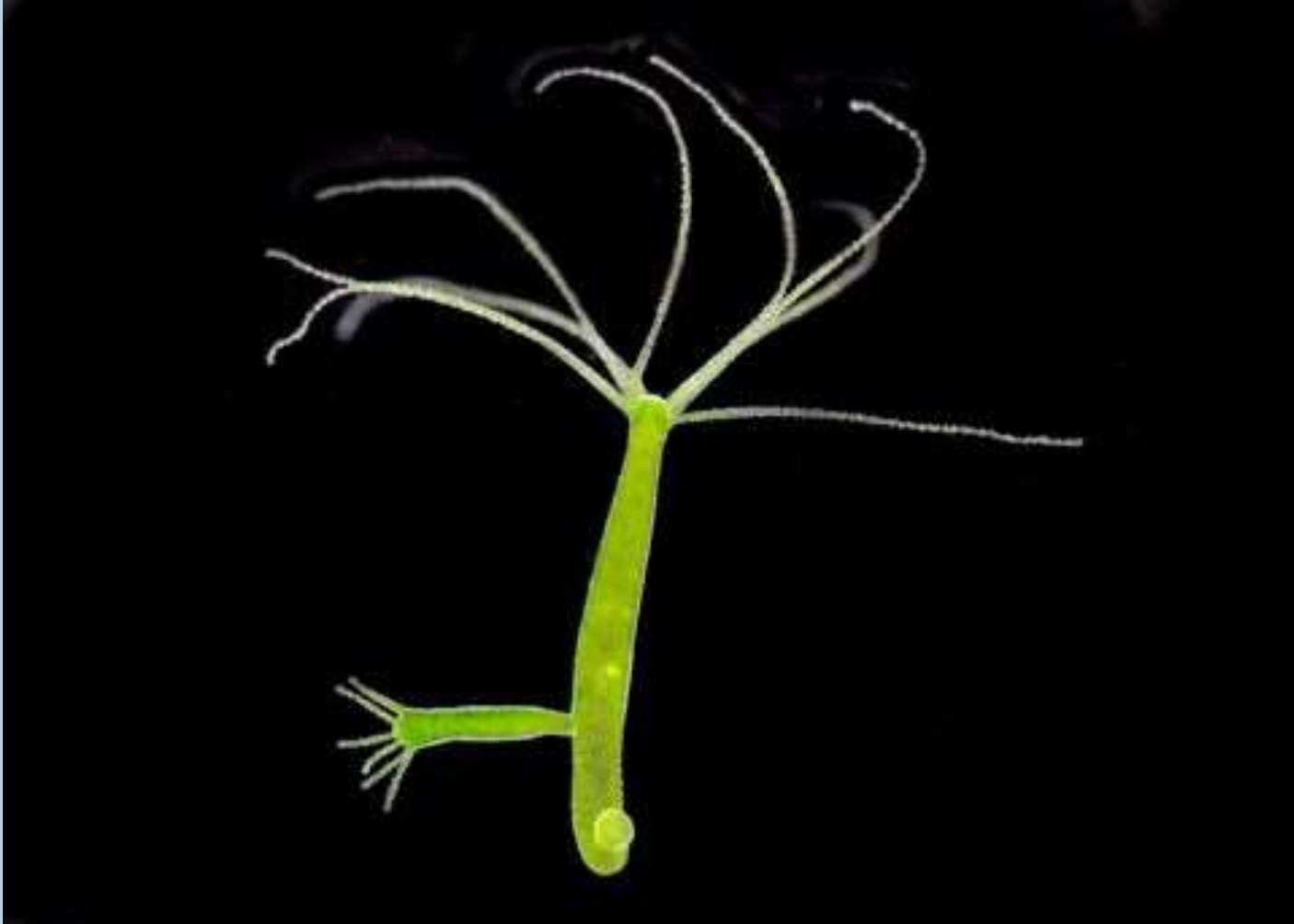
Asexual Reproduction

- **Binary Fission:**



Asexual Reproduction

- **Budding:**



Asexual Reproduction

- Fragmentation:



Asexual Reproduction

- Parthenogenesis:

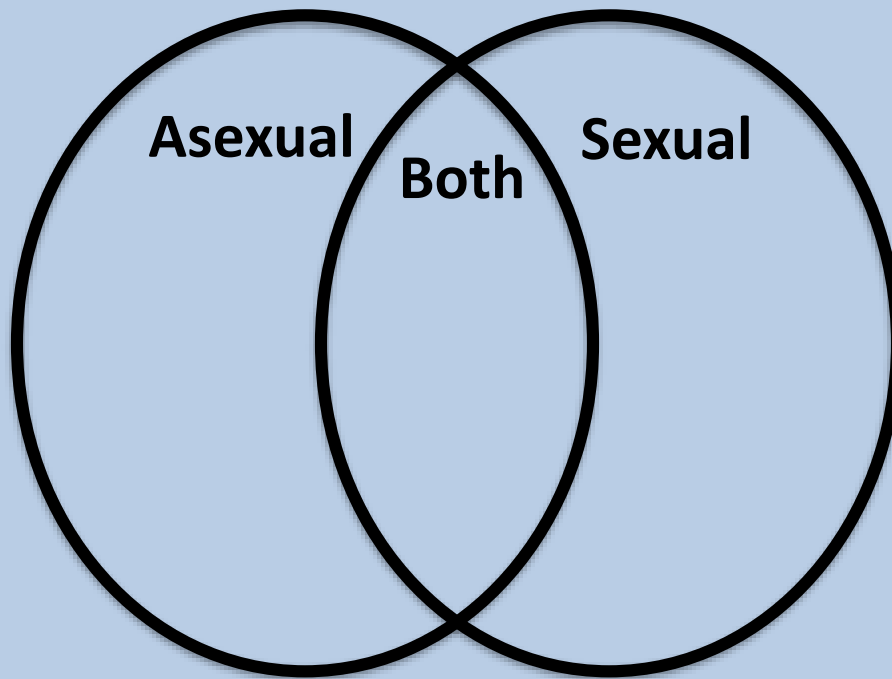


Asexual Reproduction

- Individuals: 10 min
- Under the table in your notebook (pg. 50) write 1-8
- Visit every lab station
 - For each picture write:
 - a) What kind of asexual reproduction is represented?
 - b) How do you know?

Asexual vs Sexual Reproduction

- On page 50 make a Venn diagram in the remaining space to compare and contrast the *benefits* of each type of reproduction



Asexual vs Sexual Reproduction

- **Why sex?**

<https://www.youtube.com/watch?v=gRpEt61XM4M>

Asexual vs Sexual Reproduction

- **What are the benefits of asexual reproduction?**

Asexual vs Sexual Reproduction

- What are the benefits of asexual reproduction?
 - **PROS:**
 - No mate needed
 - Lots of offspring, fast
 - Offspring are well suited for the current environmental conditions
- What are the drawbacks of asexual reproduction?

Asexual vs Sexual Reproduction

- **Asexual reproduction:**
 - **PROS:**
 - No mate needed
 - Lots of offspring, fast
 - Offspring are well suited for the current environmental conditions
 - **CONS:**
 - If conditions change offspring may not be able to survive; putting the whole *SPECIES* at risk

Asexual vs Sexual Reproduction

- **What are the benefits of sexual reproduction?**

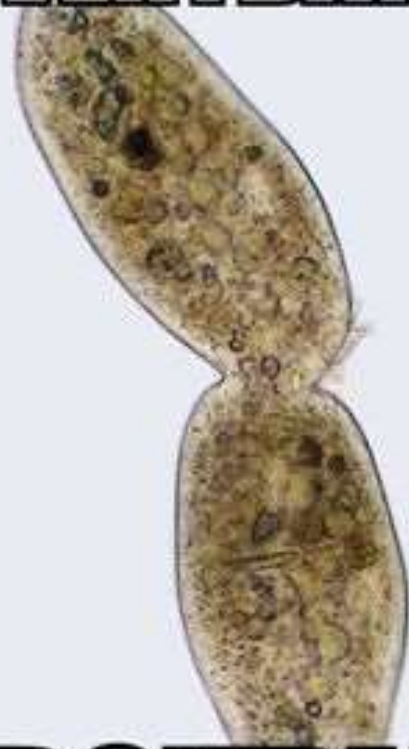
Asexual vs Sexual Reproduction

- What are the benefits of sexual reproduction?
 - **PROS:**
 - Genetic variation makes the *SPECIES* better able to withstand change
- What are the drawbacks of sexual reproduction?

Asexual vs Sexual Reproduction

- **Sexual reproduction:**
 - **PROS:**
 - Genetic variation makes the *SPECIES* better able to withstand change
 - **CONS:**
 - Have to find a mate(s) worthy of sharing genes with
 - Fewer offspring that take longer to develop
 - Offspring may not be the best adapted for current environmental conditions

EVERYDAY I'M



DOUBLING