

# Science Worksheet #2

## Reproduction

Name: \_\_\_ **Answer Key**

Grade 8 ( )

Date: **5 /10/2022**

### 1 – Choose the correct answer.

The gametes in plants are

- a- the egg cell and the sperm cell.
- b- **the ovule and the pollen.**
- c- the pollen and sperm cell.
- d- the seeds.

Which of the following is not true about asexual reproduction?

- a- Involves a single parent
- b- **Genetic information is mixed**
- c- Genetically identical offspring
- d- No gametes are involved

**Budding** is an example of

- a- **Asexual reproduction**
- b- Fertilization
- c- Sexual reproduction
- d- Pollination

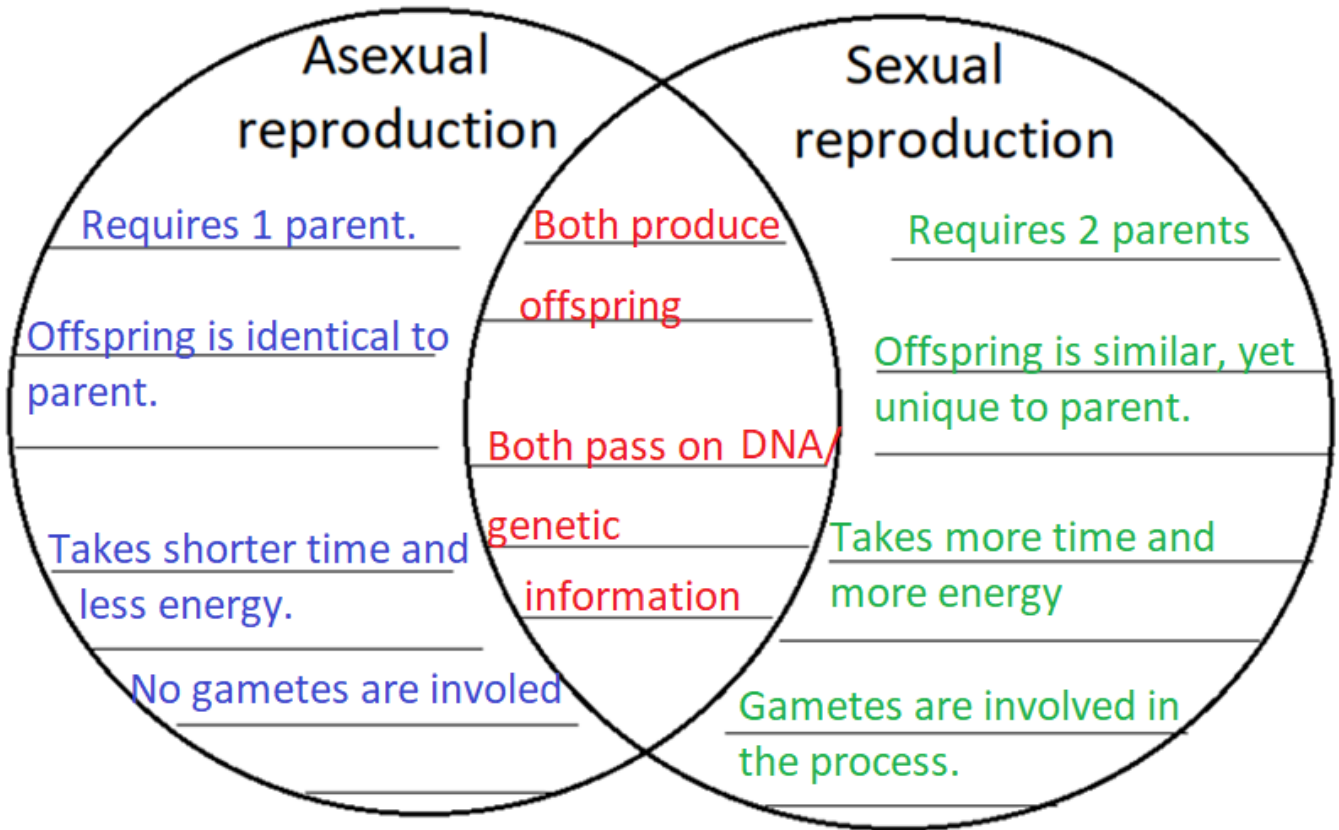
Planaria reproduces via

- a- pollination
- b- **regeneration**
- c- budding
- d- gametes

### 2 – Explain why is it useful to have variation in the offspring.

**Because it enables some offspring to better adapt to environmental changes and gives species a better chance of survival.**

**3 – Complete the following diagram.**



**4 – Complete the following table.**

	Advantages	Disadvantages
Sexual Reproduction	<ul style="list-style-type: none"> <li>Easier adaptation to environmental changes.</li> <li>Higher chance to survive.</li> <li>Better chances of evolution.</li> </ul>	<ul style="list-style-type: none"> <li>A fewer number of offspring produced.</li> <li>Requires more time and energy.</li> <li>Mutations can happen.</li> </ul>
Asexual Reproduction	<ul style="list-style-type: none"> <li>Needs only one parent.</li> <li>Requires less energy and time, and more offspring can be produced.</li> </ul>	<ul style="list-style-type: none"> <li>Lower survival rates ( if a parent has disease, the offspring has it too)</li> <li>Less able to adapt to environmental changes.</li> <li>Less chances to evolution.</li> </ul>