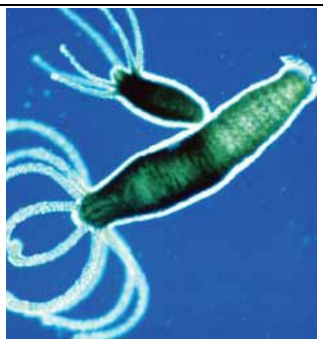
Name: Period: Date:

# Asexual Reproduction Notes Scaffold

Humans use _____ to create **identical** copies of _____

Other living things use _____ to create **identical** copies of the entire _____.

| Name + Examples | Description/details | Drawing |
|---|---|---|
| **Binary Fission**<br><br>**Example: Rapid Bacteria Duplication** | | |
| | |  <br>**Hydra creating new, small Hydra** |
| | • Breaking the organism into pieces will cause new, identical organisms to be created from each piece<br>• Requires a minimum mass for the piece to reproduce a new organism | |

Name: Period: Date:

| **Vegetative Reproduction** | | |
|---|---|---|
| | • Bacteria, micro-organisms, plants and fungi can produce small, single-celled particles called spores<br>• The haploid spores are released and move with wind, water, and animal factors<br>• Spores created new, identical organisms under suitable growth conditions<br>• Spores are strong and can survive harsh conditions | |

Advantages and disadvantages of asexual reproduction

| Advantages | Disadvantages |
|---|---|
| | |
| | |

Name: Period: Date:

| Advantages | Disadvantages |
|---|---|
| | |
| | |

## Human Technologies

Point form descriptions of each. Try to think of ethical issues for each!

| Name | Description/Drawing | Uses | Ethical Issues |
|---|---|---|---|
| **Reproductive cloning** | | | |
| **Therapeutic cloning** | | | |

Name: Period: Date:

| **Stem cell technologies** | | | |
|---|---|---|---|