

Asexual vs. Sexual Reproduction Review

Asexual Reproduction occurs when there is only one parent that gives rise to an offspring which has the identical genetic makeup of the parent. It occurs in most single celled organisms such as bacteria and some multicellular organisms such as fungi and some plants.

Sexual Reproduction involves the combining of genetic information from two parents to produce a new organism that is a combination of both parents. It occurs in most complex organisms.

1) Complete the following table comparing asexual and sexual reproduction.

| | Asexual Reproduction | Sexual Reproduction |
|--|----------------------|---------------------|
| Number of parents | | |
| Genetic info compared to the parents | | |
| Complexity of organism that uses this method | | |
| Example of an organism that uses this method | | |

2. Name two advantages to sexual reproduction and two disadvantages. Explain your answer.

3. Name two advantages to asexual reproduction and two disadvantages. Explain your answer.

4. Identify what type of reproduction the following organisms use to reproduce:

| Organism | Multi-cellular or single-cellular | Asexual | Sexual |
|------------|-----------------------------------|---------|--------|
| Potato | | | |
| Paramecium | | | |
| Amoeba | | | |
| Cat | | | |