

Standard: Students will analyze how biological traits are passed on to successive generations.

Element: Compare the advantages of sexual reproduction and asexual reproduction in different situations.

EQ: What are the advantages and disadvantages of asexual reproduction?

Reproduction- *the process of producing offspring*

When a single parent reproduces is called **asexual** reproduction.

An individual formed by asexual reproduction is genetically **identical** to its parent.

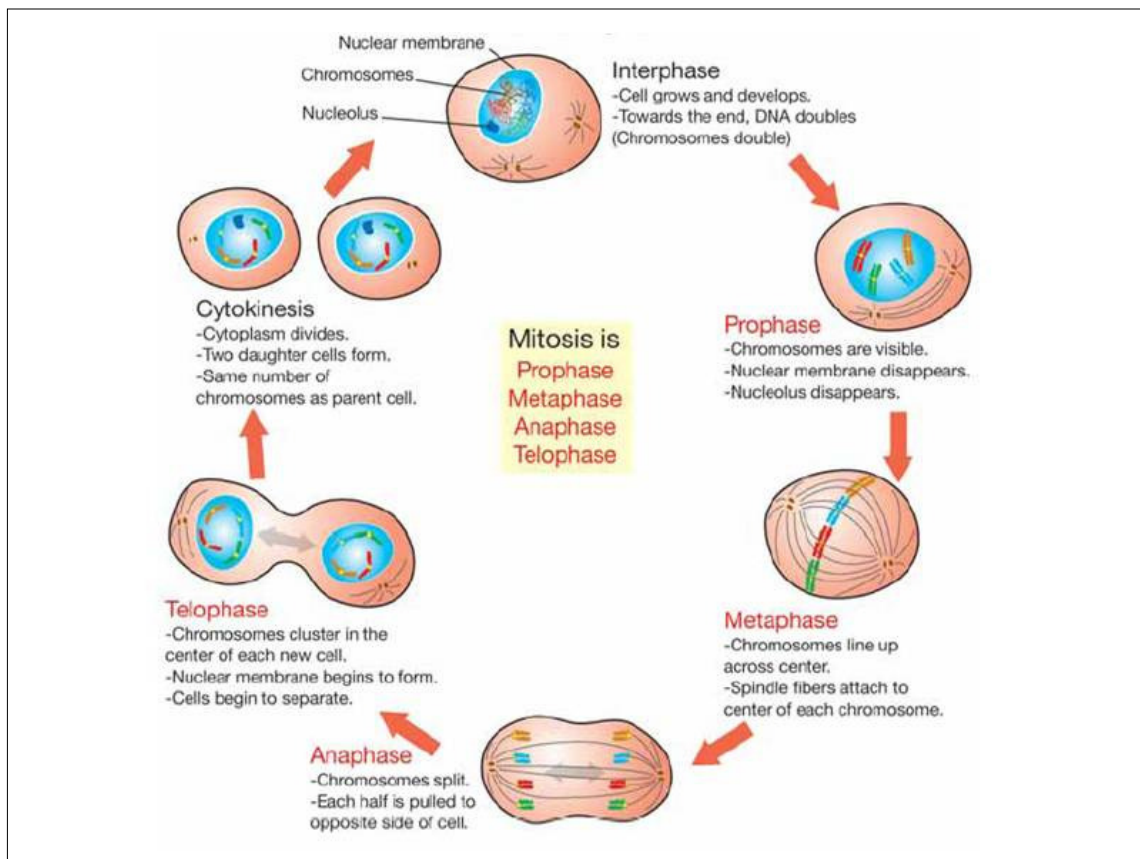
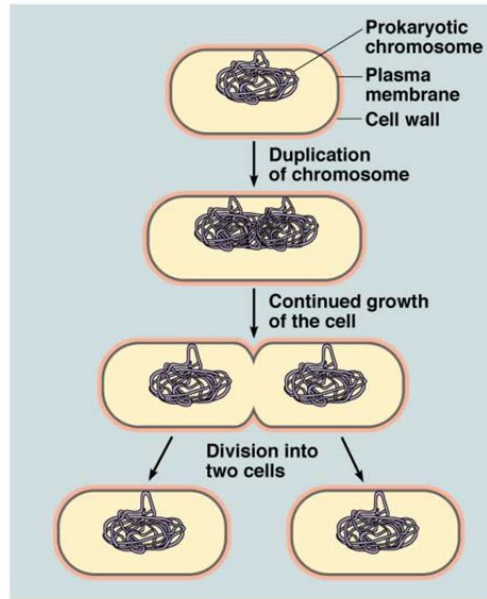
Fragmentation is a kind of asexual reproduction in which the body breaks into two or more pieces. The pieces regrow missing parts and develop into complete adults.



In **budding**, new individuals split off from existing ones.



Unicellular organisms, like bacteria, reproduce by **cell division**.



Mitosis is the division of the nucleus.

Cytokinesis is the division of the cytoplasm. *cell*
moving

EQ:

Advantages of asexual reproduction.

1. *only need one parent*
2. *simple*
3. *produce lots of offspring quickly*