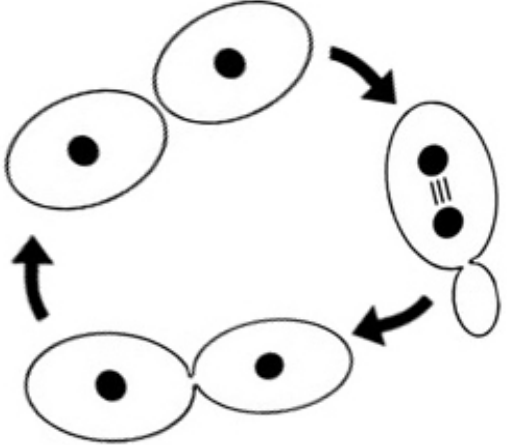


Name \_\_\_\_\_

**4.02-** Analyze the processes by which organisms accomplish essential life functions

**Types of Asexual reproduction:**

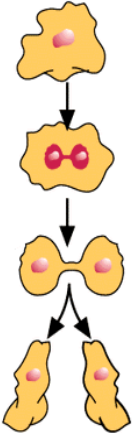
Look up the following types of asexual, and sexual reproduction, using your text book, or the internet: Binary fission, budding, sporulation, regeneration, parthenogenesis or vegetative propagation. Identify the type of reproduction depicted in the diagrams below, and write a paragraph about each type. Give two examples of organisms that use each method of reproduction.



The diagram shows a circular sequence of four stages of binary fission. 1. A single cell with a nucleus. 2. The nucleus dividing into two. 3. The cell membrane and wall pinching inward to form two daughter cells. 4. Two separate daughter cells, each with its own nucleus. Arrows indicate the clockwise progression of the cycle.

Type \_\_\_\_\_  
Description:

Examples \_\_\_\_\_  
\_\_\_\_\_



The diagram shows a vertical sequence of four stages of budding. 1. A single yeast cell with a nucleus. 2. A small bud forming on the cell wall. 3. The bud growing larger and containing its own nucleus. 4. The bud detaching from the parent cell to become a new daughter cell. Arrows indicate the downward progression of the cycle.

Type \_\_\_\_\_  
Description:

Examples \_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

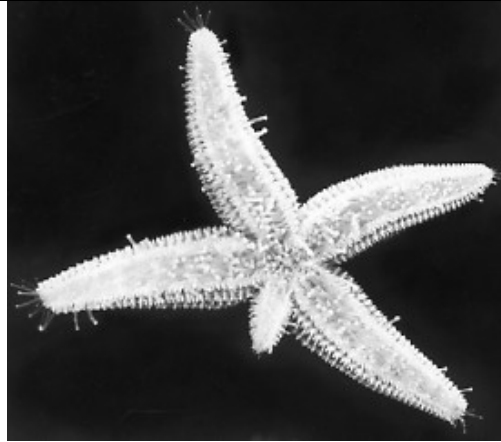


Type \_\_\_\_\_

Description:

Examples \_\_\_\_\_

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Type \_\_\_\_\_

Description:

Examples \_\_\_\_\_

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Name \_\_\_\_\_

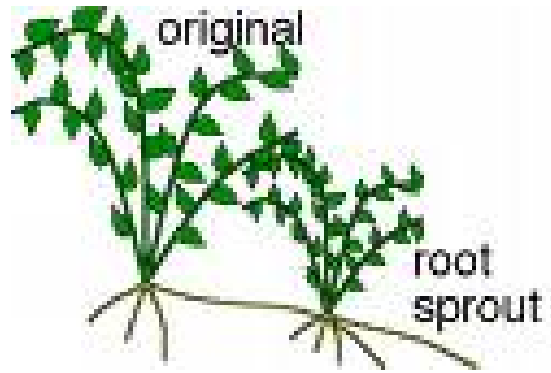


Type \_\_\_\_\_

Description:

Examples \_\_\_\_\_

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Type \_\_\_\_\_

Description:

Examples \_\_\_\_\_

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