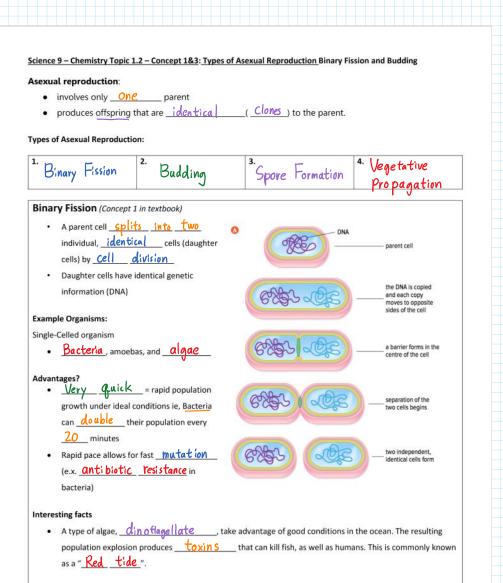
1-2 C1 and C3 Binary and Budding January 5, 2023 10:20 AM



Budding (Concept 3 in textbook)

• offspring begins as a small growth on the parent, called a bud . The bud continues to undergo cell division and <u>Orrow in Size</u> before breaking off from the parent

bud

cell wall

cell membrane

bud scar

 New cell is <u>smaller</u> than original cell at first. Eventually grows to the <u>Same</u> Size as parent cell

- Example Organisms: Single-celled organism: (e.x. Yeast -Commonly used to make dough, bread, pretzels, soy sauce, cheese, vinegar) and
 - multicellular organisms (e.x. hydra) •

Advantages?

Good for organisms that need to form a COONY in one area or do not Move (ex. Sponges)

Interesting facts

Figure 1.11: Yeasts reproduce asexually by budding.

nucleus

- Hydras are related to <u>jelly tish</u> & anemones.
- Hydras are biologically Immertal "O"!!, they don't show signs of aging !
- Buds sometimes stay attached