## DIRECTIONS:



1) Read in the textbook sections $\mathbf{8 . 1} \rightarrow \mathbf{8 . 1 1}(\mathbf{p 1 2 5} \rightarrow \mathbf{1 3 6})$

$\qquad$
2) Develop a CROSSWWORD PUZZLE using the 21 terms below. Begin by arranging the terms $\underline{\text { ACROSS }}$ or DOWN to develop an Answer Key for your crossword puzzle below. Shade in all unused boxes.
3) As you read the assigned text and locate each term, indicate on which textbook page you found the definition/explanation.
4) ON A SEPARATE PIECE OF PAPER, develop a numbered set of definition-based clues for each term written in your own words
5) On the back of this paper, develop an "empty" crossword puzzle for another person to solve using your numbered clues. Only fill in the numbers and again shade any unused boxes.
6) Complete the section of $\mathbf{T} / \mathbf{F}$ statements on the back


## Crossword Puzzle Answer Key

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|  |  | Cell Division Statements (Chapter 8) <br> reading <br> T/F | Textbook <br> page |
| :---: | :--- | :--- | :--- |
| $\mathbf{1}$ | Cells copy their DNA and duplicate their chromosomes during S phase of Interphase |  |  |
| $\mathbf{2}$ | Metastasis is the transformation of a malignant tumor into a benign tumor |  |  |
| $\mathbf{3}$ | Binary fission is a type of sexual reproduction found in bacteria |  |  |
| $\mathbf{4}$ | The spindle microtubules begin to form during Anaphase |  |  |
| $\mathbf{5}$ | Plant cells complete cytokinesis by separating the cytoplasm with a contractile ring of <br> microfilaments |  |  |
| $\mathbf{6}$ | Mitosis cell division is used for growth, cell replacement, and asexual reproduction |  |  |
| $\mathbf{7}$ | The centromere holds together two identical sister chromatids |  |  |
| $\mathbf{8}$ | Chromosomes line up single file along the equator during Telophase |  |  |

