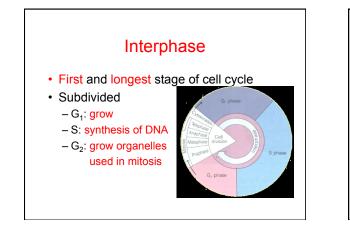
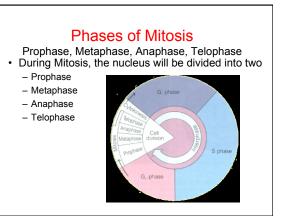
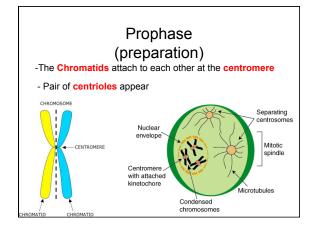


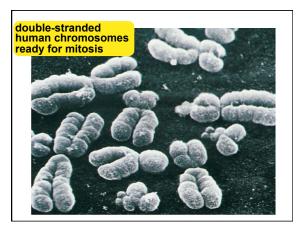
The Importance of Mitosis

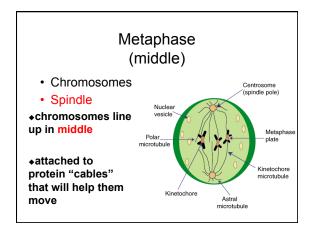
- Many unicellular organisms reproduce this way (asexual reproduction)
- Multicellular organisms use mitotic cell division for numerous reasons
 - Growth
 - Development
 - Repair
 - NOT FOR SEXUAL REPRODUCTION (that is meiosis)

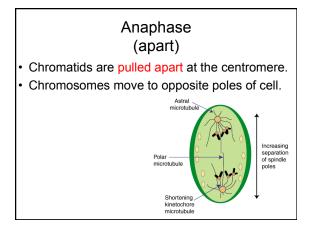


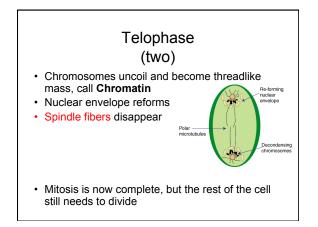


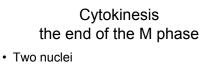




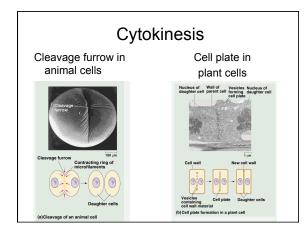


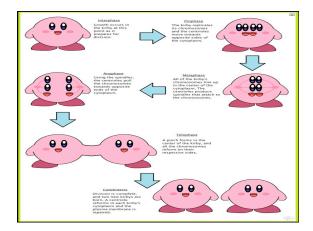


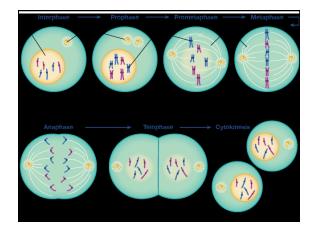


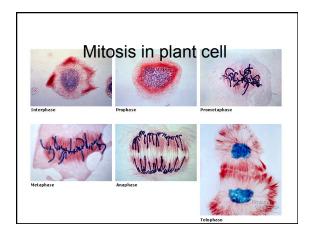


- Cytokinesis is the division of the cytoplasm, and usually occurs simultaneously with telophase
- · cleavage furrow vs. cell plate



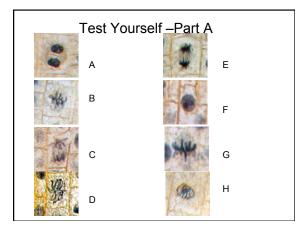




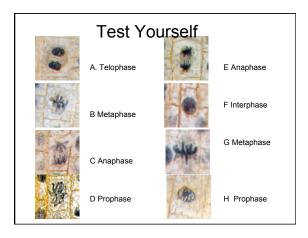


Test Yourself Mitosis and Meiosis

- A. You will be shown images of cells in various stages of the cell cycle. Identify each stage.
- B. We will go over the answers.
- C. You will identify the stages individually and turn your papers in.









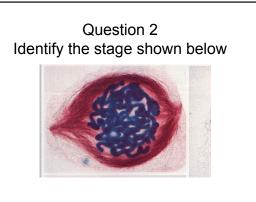
Any Questions?

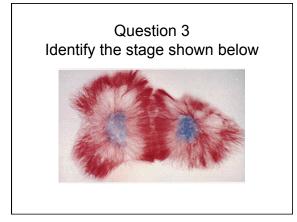
Quiz Time!

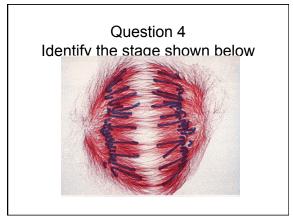
Number your paper 1-5 Identify the stage of the cell cycle shown in each image

Question 1 Identify the stage shown below









Question 5 Put these words in chronological order – Anaphase – Cytokinesis – Interphase – Metaphase – Prophase – Telophase