

The cell cycle interest group featuring Amelia Ireland

Current Arrangement

- cytokinesis
- cell cycle
- P M phase
 - P nuclear division
 - (i) meiosis
 - (i) mitosis
- (i) mitotic cell cycle
 - P phases of the mitotic cell cycle G1, G2, S
 - P M phase of mitotic cell cycle
 - P cytokinesis after mitosis
 - P mitosis

P phases of mitosis: anaphase, metaphase, etc.

P events occurring during each phase

Problem

Based on the *S. cerevisiae* cell cycle model

True path problems for any species without paradigmatic mitotic or meiotic cell division No connection between cytokinesis and cell cycle

Cell cycle phases represent temporal stages, not processes

Solution

Split cell cycle in cell cycle phases and cell cycle events

cell cycle P cell cycle events i DNA replication i cytokinesis P cell cycle phase i M phase i S phase i G1 phase i G2 phase