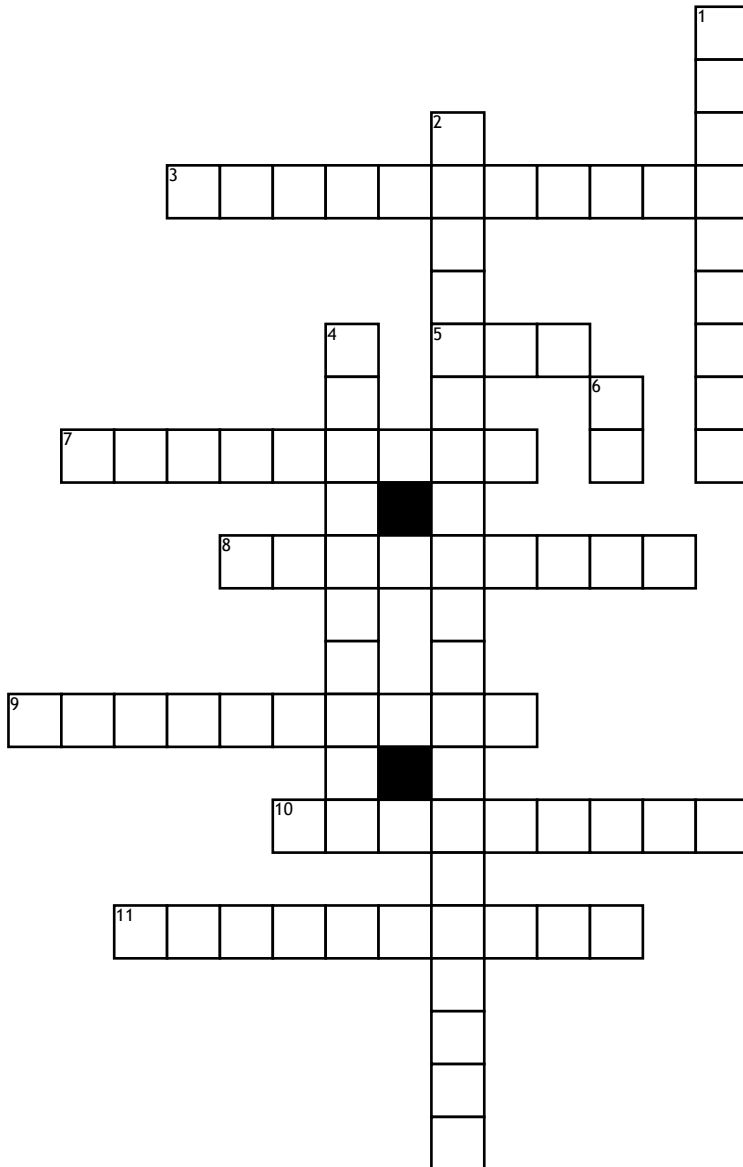


Name: _____

Date: _____

Mitosis



Across

3. This is one of the 4 factors that affect whether cells pass the G1 checkpoint
5. When cyclin concentrations are high more ____ is active
7. This protein is regulated by cyclin concentrations
8. One strand of a replicated chromosome with its associated proteins
9. They are cylindrical structures that comprise microtubules, located inside animal centrosomes
10. This phase in mitosis occurs prior to the splitting of the centromeres

11. When cancer cells detach from the original tumor

Down

1. It is characterized by the aligning of chromosomes on the middle of the cell
2. Motor proteins move chromosomes down the microtubular structures of the mitotic spindle. This process is known as _____
4. What structure is present during all phases of the cell cycle. It is the microtubule-organizing center in animals and plants.
6. Cancers are thought to arise from cells with defects in which stage of cell cycle