* Quiz of cell cycle 3-5-2018
* Question 1-4 are for assigned Science paper(Genetic Control of the Cell Division Cycle in Yeast)
* 1, what is the key question the authors intend to answer?
* 2, what is the reason the authors have to use temperature sensitivity to isolate cell cycle mutant?
* 3, mutants defective in the cdc 4 gene (required for initiation of DNA synthesis) are exceptional in that they continue bud emergence for multiple cycles at the restrictive temperature, attaining as many as five buds on a single mononucleate cell. Propose three possible models to explain this phenomenon.
* 4, how to interpret the data presented in Fig. 5?
* 5, what experimental observation leads the emerge of the concept of checkpoint of cell cycle?
* 6, why cell cycle checkpoint always employs negative regulation?
* 7, is checkpoint gene essential for the living cell?
* 8, both Rb and p53 are tumor suppressor, discuss the role of they play in cell cycle control.
* 9, what is the restriction point?
* 10, learn more about quiescence of cell cycle.