**Name: Period: Date:**

**Focus Questions for Chapter 12.3 (Cell Cycle Checkpoints) due Thursday, 1/16**

# Questions to answer as you read about cell cycle checkpoints. You will not be asked to turn these in, but Ms. Ransom may check to make sure you have completed them through a clicker quiz or short written response. You should be ready to discuss the answers during class.

1. How did scientists figure out that chemical signals were responsible for regulating the cell cycle?
2. What is a **checkpoint**? Give three different examples of major checkpoints in the cell cycle.
3. What is the **G0 Phase**?
4. What is a **cyclin** and how does it related to **Cdks**?
5. What does **MPF** stand for and what is its role in the cell cycle?
6. Why does cyclin concentration rise and fall during the cell cycle?
7. What is **density-dependent inhibition**?
8. What is **anchorage dependence**?
9. What is the difference between a **benign** and a **malignant tumor**?
10. What is **metastasis**?

**Questions I have that I plan to ask about in class:**