

**Cancer and the Cell Cycle
Anatomy and Physiology**

Watch the “News alert” videos and the Cell cycle animations to answer the following questions.

http://science-education.nih.gov/supplements/nih1/cancer/activities/activity2_videos.htm

1. Summarize in a single sentence the main idea of each of the News Alert videos.
2. How does a normal cell in your body become cancerous?
3. How does cancer spread?
4. Describe the “cell cycle clock”. What is the importance of the cell cycle clock in normal tissue?
5. What are proto-oncogenes?
6. What are tumor-suppressor genes?
7. How do proto-oncogenes and tumor suppressor genes work together?