

Cell Cycle worksheet _____ **Dr. Sengupta** **Date** _____

Go to the following weblink and first watch the news alert videos. Then on the top panel click on 'Cell Cycle animations' and answer the following questions in complete sentences.

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

1. How does a normal cell in your body become cancerous?
2. Are all tumors capable of spreading to other parts of the body? What is the term that describes this phenomenon?
3. How do cells control cell cycle? What are these chemicals called that control the cell cycle? How were these chemicals discovered? Name the scientists that were involved therein.
4. Is cell growth and division in normal tissues controlled by an internal clock?
5. Draw and label the cell cycle? What happens in each of the phases?
6. What are proto-oncogenes? Discuss their role in cell division.