

Name: _____

Cancer and the Cell Cycle – How Cancer Develops

Watch the short video: https://www.youtube.com/watch?v=8BJ8_5Gyhg8 You can also find the link to this video at www.biologybynapiet.com on the DNA Replication and Cell Cycle Unit page. Scroll down to today's date. Answer the following questions:

1. What is the purpose of checkpoints in the cell cycle?
2. What is supposed to happen to damaged cells at the checkpoints?
3. How can these damaged cells result in cancer?

Normal Cell Division vs Cancer Cell Division

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Watch the video then compare the growth from cell division in normal cells to that in cancer cells.

1. How many cells exist after Day 5 for the normal cells shown? _____
2. How many cells exist after Day 5 for the cancer cells shown? _____

Summary:

1. What causes cancer cells to develop?
2. How can you identify a cancer cell?