

CHAPTER 18 - Cancer

Learning Objective: Differentiate the three phases of cancer development
 How does cancer progress in its stages of development?

LO3 – Development of Cancer

Questions & Terms	Answers & Definitions (Remembering, Understanding)
<p>What occurs in the initiation stage of cancer development? Where in the body does this take place?</p> <ul style="list-style-type: none"> • Clone • Carcinogen 	<p>DNA mutation occurs in a normal cell causing permanent genetic damage. This happens inside the cell nucleus (DNA of body cells).</p> <p>Clones are a group of genetically identical cells produced from one mutated cell. Carcinogens are cancer-causing agents that damage DNA.</p>
<p>What occurs in the promotion stage of cancer development? Where in the body does this take place?</p> <ul style="list-style-type: none"> • Latency Period 	<p>Mutated cells from stage I multiply rapidly, forming pre-tumor mass- growth stimulated by promoters. This happens within local tissue where the mutated cell exists.</p> <p>Latency Period is the time between carcinogen exposure and cancer development (can be years).</p>
<p>What occurs in the progression stage of cancer development? Where in the body does this take place?</p> <ul style="list-style-type: none"> • Metastasis • Tumor Angiogenesis 	<p>The tumor from stage II becomes malignant, invasive, and aggressive with additional mutations. This begins in the original tissue and can spread to other organs.</p> <p>Metastasis is the spread of cancer cells to distant organs via blood or lymph. Tumor Angiogenesis is the formation of new blood vessels to supply nutrients to the tumor.</p>
<p>Create Review Questions Based on Bloom's Taxonomy</p>	
<p>Applying information in a familiar situation. When and Where is this used by Whom, Why, and How? (5Ws & H)</p>	
<p>Analyzing by breaking information into parts to explore relationships. Compare and Contrast situations using the 5Ws & H.</p>	
<p>Evaluating level questions require the nurse to justify a decision, evaluate an action, or make a judgement based on criteria. Because of which factors (5Ws & H) is one course of action better or worse than another?</p>	