Understanding Cancer

Use the resources provided on the CD-ROM to complete this worksheet.

Section 1: Factors Reported to Be Associated with Cancer
View the News Alert videos and use the information provided to identify what each video suggests is the cause of cancer and what evidence supports that claim.

<table>
<thead>
<tr>
<th>News Alert Video</th>
<th>Factor Proposed to Cause Cancer</th>
<th>Evidence</th>
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</thead>
<tbody>
<tr>
<td>Cancer and Chemical Poisons</td>
<td></td>
<td></td>
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<tr>
<td>Cancer and Your Family History</td>
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<td>Cancer and Radiation Exposure</td>
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<td>Cancer and UV Light</td>
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</tbody>
</table>

Section 2: Building an Explanation for the Cause of Cancer
View the animations on the CD-ROM. Think about the information each animation presents, then write a one-sentence statement for each that summarizes what you learned.

Animation 1:
Cancer involves . . .
Animation 2:
Cell division normally is . . .

Animation 3:
Cell cycle regulation is accomplished by . . .

Animation 4:
Cancer-causing agents often . . .

Animation 5:
When damage occurs to genes that regulate the cell cycle . . .
Section 3: Explaining Factors Associated with Cancer
Review your notes from Section 1, then write a sentence that describes how our current understanding of cancer explains the role that each factor plays in causing cancer.

Cancer and Chemical Poisons

Cancer and Your Family History

Cancer and Radiation Exposure

Cancer and UV Light