

BIOLOGY 2 WORKSHEET
Cell Cycle and Meiosis

CELL CYCLE

New Book pg 254

Use the following data to answer question #1

NORMAL STOMACH CELLS

| | |
|------------|---------|
| Interphase | 120 min |
| Prophase | 60 min |
| Metaphase | 10 min |
| Anaphase | 3 min |
| Telophase | 12 min |

CANCEROUS STOMACH CELLS

| | |
|------------|--------|
| Interphase | 16 min |
| Prophase | 15 min |
| Metaphase | 2 min |
| Anaphase | 1 min |
| Telophase | 3 min |

1. Compare and then summarize how the two cell cycles are different:
2. What is cancer?
3. How do cancer cells affect an organism?
4. What is the connection between DNA segment mutations and regulation of cell growth and the cell cycle?
5. What are carcinogens?
6. Why does there seem to be an increased risk of cancer with age?