



## The Cell Cycle and Cancer Virtual Lab



1. Pick a cell type you are going to investigate. Record your choice: Lung, Stomach, or Ovary
2. Click on the NORMAL slide for the cell type you chose.
3. Label the phases of each cell "rest" in the field of view.
4. Click CHECK.
5. Create Table 1 in your notes. Record the number of cells in each phase in Table 1.
6. Repeat steps 2-5 for CANCEROUS tissue of the cell type you chose.

Table 1

| Tissue Type      | # Cells in Interphase | # Cells in Prophase | # Cells in Metaphase | # Cells in Anaphase | # Cells in Telophase | Total # of cells in mitosis | TOTAL # OF CELLS |
|------------------|-----------------------|---------------------|----------------------|---------------------|----------------------|-----------------------------|------------------|
| NORMAL tissue    |                       |                     |                      |                     |                      |                             |                  |
| CANCEROUS tissue |                       |                     |                      |                     |                      |                             |                  |

7. Create Table 2 in your notes. Use the data in Table 1 to calculate the % of cells at rest (in interphase) and the Mitotic Index (% cells in mitosis dividing) for each tissue.

Table 2

| Tissue Type | % cells at rest<br>(# cells in Interphase / total # of cells) | Mitotic Index<br>% cells dividing<br>(# cells in Mitosis / total # of cells) |
|-------------|---------------------------------------------------------------|------------------------------------------------------------------------------|
| NORMAL      |                                                               |                                                                              |
| CANCEROUS   |                                                               |                                                                              |

### Questions

1. Based on your data and observations, what are some of the differences between normal cells and cancer cells?

## Phases of Mitosis

Interphase

Prophase

Metaphase

Anaphase

Telophase

Click and drag a label above to the corresponding cell under the microscope.



Click on a phase of mitosis above to learn more about the phase.



Check

Reset

Return

# Answers To Mcgraw Earth Resources Virtual Lab

**Petrogav International Oil & Gas  
Training Center**



## **Answers To Mcgraw Earth Resources Virtual Lab:**

The book delves into Answers To Mcgraw Earth Resources Virtual Lab. Answers To Mcgraw Earth Resources Virtual Lab is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Answers To Mcgraw Earth Resources Virtual Lab, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:
    - Chapter 1: Introduction to Answers To Mcgraw Earth Resources Virtual Lab
    - Chapter 2: Essential Elements of Answers To Mcgraw Earth Resources Virtual Lab
    - Chapter 3: Answers To Mcgraw Earth Resources Virtual Lab in Everyday Life
    - Chapter 4: Answers To Mcgraw Earth Resources Virtual Lab in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Answers To Mcgraw Earth Resources Virtual Lab. The first chapter will explore what Answers To Mcgraw Earth Resources Virtual Lab is, why Answers To Mcgraw Earth Resources Virtual Lab is vital, and how to effectively learn about Answers To Mcgraw Earth Resources Virtual Lab.
  3. In chapter 2, this book will delve into the foundational concepts of Answers To Mcgraw Earth Resources Virtual Lab. The second chapter will elucidate the essential principles that must be understood to grasp Answers To Mcgraw Earth Resources Virtual Lab in its entirety.
  4. In chapter 3, the author will examine the practical applications of Answers To Mcgraw Earth Resources Virtual Lab in daily life. The third chapter will showcase real-world examples of how Answers To Mcgraw Earth Resources Virtual Lab can be effectively utilized in everyday scenarios.
  5. In chapter 4, this book will scrutinize the relevance of Answers To Mcgraw Earth Resources Virtual Lab in specific contexts. This chapter will explore how Answers To Mcgraw Earth Resources Virtual Lab is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Answers To Mcgraw Earth Resources Virtual Lab. This chapter will summarize the key points that have been discussed throughout the book.
- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Answers To Mcgraw Earth Resources Virtual Lab.

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### Answers To Mcgraw Earth Resources Virtual Lab Introduction

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