Honors Biology Chapter 9 Study Guide

Vocabulary

Cell cycle

Interphase

Mitosis

Cytokinesis

Chromosome

Chromatin

Prophase

Sister chromatid

Centromere

Spindle apparatus

Metaphase

Anaphase

Telophase

Cyclin

P53

Cancer

Carcinogen

Apoptosis

Stem cell

Concepts

Ratio of Surface Area to Volume



Transport of substances

How do cell communicate?

Parts of the cell cycle



What are the stages of interphase? Explain each.

Draw and label a chromosome.



What are the parts of mitosis?



What is the difference between cytokines in animal and plant cells?

What are three functions of mitosis?

What are you things that can control the cell cycle?

What are the checkpoints in the cell cycle? Describe each.

What are some causes of cancer?

What is the difference between adult and embryonic stem cells?