

Human Prenatal Development

Investigation 1 Quiz

Name: _____ Date: _____

Please use the back of this quiz if you need additional space.

1. Define mitosis.

2. Label the following stages of mitosis on the diagram below:

Prophase
Metaphase
Anaphase
Telophase



3. Why is mitosis essential for growth and development in multicellular organisms?

4. During mitosis, the genetic information in the daughter cells is:

- A. Different from the parent cell
- B. Half the amount of the parent cell
- C. Identical to the parent cell
- D. Randomly assorted

5. Why is it important that mitosis produces daughter cells with identical genetic information?