**Unit 7 Lesson 1**

**Mitosis Review – Quiz on Tuesday, January 13th**

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class Period\_\_\_\_\_\_\_\_\_\_\_**

1. What is the definition of DNA? Where is DNA located?
2. What happens to DNA in the cell cycle? Be specific.
3. What are the 3 stages of the cell cycle? Briefly describe what happens in each stage.
4. What are the 4 phases of mitosis? Briefly describe what happens in each stage.
5. Draw a picture of a chromosome. Label the chromosome, chromatid, and centromere.
6. What is the longest stage of the cell cycle?
7. Write down the name of some single celled organisms that rely on mitosis for asexual reproduction.
8. Why is cell division important for multicellular organisms?

**9. Describe what occurs during each phase of mitosis. (prophase, metaphase, anaphase, and telophase)**

**10. Describe what occurs during interphase and cyctokinesis.**