BIOL 3380 Introductory Microbiology: Cell reproduction

1. How is DNA replicated within cells?

A. DNA is replicated by a process of mitosis.

B. DNA is replicated by a process of meiosis.

C. DNA is replicated by a process of DNA replication.

D. DNA is replicated by a process of transcription.

2. What is mitosis responsible for?

A. Mitosis is responsible for the replication of DNA.

B. Mitosis is responsible for the production of new cells.

C. Mitosis is responsible for the repair of damaged cells.

D. Mitosis is responsible for the development of new tissues.

3. What is meiosis responsible for?

A. Meiosis is responsible for the replication of DNA.

B. Meiosis is responsible for the production of new cells.

C. Meiosis is responsible for the repair of damaged cells.

D. Meiosis is responsible for the development of new tissues.

4. How does DNA replication occur?

A. DNA replication occurs by a process of mitosis.

B. DNA replication occurs by a process of meiosis.

C. DNA replication occurs by a process of DNA replication.

D. DNA replication occurs by a process of transcription.

5. What is transcription responsible for?

A. Transcription is responsible for the replication of DNA.

B. Transcription is responsible for the production of new cells.

C. Transcription is responsible for the repair of damaged cells.

D. Transcription is responsible for the development of new tissues.

6. What is the role of DNA in cell reproduction?

A. DNA is responsible for the replication of DNA.

B. DNA is responsible for the production of new cells.

C. DNA is responsible for the repair of damaged cells.

D. DNA is responsible for the development of new tissues.

7. What is the role of RNA in cell reproduction?

A. RNA is responsible for the replication of DNA.

B. RNA is responsible for the production of new cells.

C. RNA is responsible for the repair of damaged cells.

D. RNA is responsible for the development of new tissues.

8. What is the role of proteins in cell reproduction?

A. Proteins are responsible for the replication of DNA.

B. Proteins are responsible for the production of new cells.

C. Proteins are responsible for the repair of damaged cells.

D. Proteins are responsible for the development of new tissues.

9. What is the role of cell division in cell reproduction?

A. Cell division is responsible for the replication of DNA.

B. Cell division is responsible for the production of new cells.

C. Cell division is responsible for the repair of damaged cells.

D. Cell division is responsible for the development of new tissues.

10. What is the role of cell differentiation in cell reproduction?

A. Cell differentiation is responsible for the replication of DNA.

B. Cell differentiation is responsible for the production of new cells.

C. Cell differentiation is responsible for the repair of damaged cells.

D. Cell differentiation is responsible for the development of new tissues.

Answer Key:

1. C
2. B
3. D
4. C
5. A
6. A
7. B
8. D
9. B
10. D