1. Which chemotherapy drug classes are cell cycle specific?
   a. antitumor antibiotics
   b. alkylating agents
   c. antimetabolites
d. hormones

2. Which type of chemotherapy drug crosses the blood-brain barrier?
   a. alkylating agents
   b. antimetabolites
c. mitotic inhibitors
   d. nitrosoureas

3. Cell cycle non-specific drugs are typically administered on which time schedule?
   a. large, less frequent dose
   b. continuous infusion
c. frequent divided doses
d. the schedule does not matter

4. Topoisomerase inhibitors impair the enzyme responsible for which action?
   a. mitosis
   b. allowing the DNA to uncoil and recoil
c. moving the cell out of the resting phase
d. stimulation of the hematopoietic system

5. Biological therapies differ from chemotherapy because they:
   a. have more acute effects
   b. are cell cycle specific
c. work in any phase of the cell cycle
d. stimulate the body to make more or block activity of a naturally occurring substance

6. What commonly used cytokine stimulates the hematological system?
   a. erythropoietin
   b. granulocyte colony-stimulating factor
c. tyrosine kinase
d. vaccines

7. Monoclonal antibodies can be conjugated or unconjugated. Conjugated antibodies differ in what way?
   a. they have a toxic agent attached to it
   b. they are radioactive
c. they cause immunosuppression
d. they only work on hormone positive cancers

8. Which of the following is the most important white blood cell in determining the risk for developing an infection?
   a. lymphocytes
   b. basophils
c. eosinophils
d. neutrophils

9. Management of chemotherapy-induced diarrhea includes which intervention?
   a. high residue diet
   b. limiting fluid intake
c. replacement of fluids and electrolytes
d. continue chemotherapy as scheduled

10. Recommended self-care measures for nausea and vomiting include:
    a. eating larger meals
    b. trying to eat hot or warm foods
c. eating favorite foods more often
d. avoiding fatty, spicy or salty foods

**Evaluation**

1. I can describe the major classes of chemotherapy drugs and how they affect the cells.
   a. strongly agree
   b. agree
   c. neutral
d. disagree
e. strongly disagree

2. I can explain the difference between chemotherapy and biologic/targeted therapy.
   a. strongly agree
   b. agree
c. neutral
d. disagree
e. strongly disagree

3. I can describe the most common side effects associated with chemotherapy.
   a. strongly agree
   b. agree
c. neutral
d. disagree
e. strongly disagree

4. The objectives relate to the overall goal of the article.
   a. strongly agree
   b. agree
c. neutral
d. disagree
e. strongly disagree

5. The article is well-written and logically organized, and defines terms adequately.
   a. strongly agree
   b. agree
c. neutral
d. disagree
e. strongly disagree

*Chemotherapy Complications*

**Registration/Answer Form #422**

**Chemotherapy Complications**

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9. A B C D E
10. A B C D

**EVALUATION**

1. A B C D E
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3. A B C D E
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5. A B C D E

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