



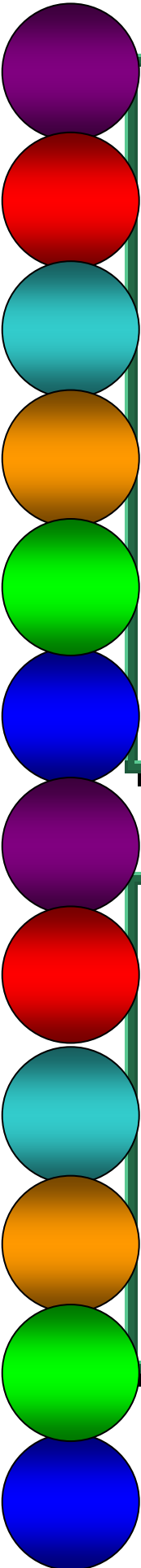
## Lesson 5 Problem Set: Treatment and Prevention of Cancer

**Short Answer:** Please answer the following questions.

1. How do good detection methods of cancer help cure it?
2. What is the difference between diagnosis and prognosis?
3. Besides being used as a treatment, surgery also has other useful properties. What else might surgery be used for in cancer patients?
4. What is radiation?
5. Can cancer be prevented? How?

**True/False:** Determine whether the following statements are true or false. If you choose False, please explain why the part or all of the statement is incorrect.

1. Finding most cancers early make the disease more manageable and easy to cure. Melanoma, cancer of the skin, is one exception to this rule. It does not matter whether you find it early or later on, the outcome will be the same.
2. There is a cure for cancer. Explain your answer.
3. Staging a disease is important before determining how to treat it.



4. Tumors are staged according to the TNM staging rules. T stands for tumor size, N stands for nerve damage and M stands for extent of metastasis.

5. The five-year survival rate is 2% for a patient that has Stage IV non-small cell lung cancer.

6. Radiation is a laser that can alter DNA.

7. The goal of any cancer treatment is to spare the host tissue and do minimal damage to the normal tissue and the maximum damage to the cancer tissue.

8. Chemotherapeutic agents can cause hair loss because they generally target rapidly growing cells, and cells in the hair follicle grow rapidly.

**Vocabulary:**

1. Teletherapy:

2. Brachytherapy:

3. Chemotherapy:

4. Biologic Therapy:

5. Symptom:

6. Sign: