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QUESTION 1

Which of these is the best definition of the word illustrious?

- A. eminent
- B. shiny
- C. tarnished
- D. vain

Correct Answer: A

QUESTION 2

The breakdown of ____ provides the energy needed for chemical reactions in the body.

- A. RNA
- B. ATP
- C. ADP
- D. ATE

Correct Answer: B

QUESTION 3

What is the purpose of scientific notation?

- A. There is no purpose.
- B. The purpose is to handle bigger numbers more easily.
- C. The purpose is to handle smaller numbers more easily.
- D. The purpose is to handle both smaller and bigger numbers more easily.

Correct Answer: D

QUESTION 4

Reading Material

A complete blood count (CBC) is one of the most useful and requested types of analysis in medical practice. A CBC searches for all the cells that exist in the blood, which are divided into three basic types: white blood cells (leukocytes), platelets, and red blood cells (erythrocytes). All of these blood cells are produced in the bone marrow and correspond to



a specific exam, integrated in the CBC: erythrogram, leukogram, and thrombogram.

The erythrogram studies red blood cells. Among other tests, it includes a red blood cell count, a hematocrit, and hemoglobin. When these levels are low, the patient may be suffering from anemia, which can be caused by anything from heavy menstrual bleeding to Addison's disease. A diagnosis of polycythemia may be made if the number of red blood cells is increased.

The leukogram is the test that evaluates the number of white cells present in the blood, which should vary between 4,000 and 10,000 cells per cubic millimeter in most adults. High values of white blood cells are seen with infection or severe emotional/physical stress, while AIDS and chemotherapy are two causes for low values.

The thrombogram is the analysis of platelets, the cells responsible for coagulation. The main function of platelets is to help stop bleeding by helping form a clot. They do this by secreting proteins from their surface that allow them to stick to vessels and each other. Low values of platelets are seen with pregnancy or an enlarged spleen, whereas high values are seen with cancers or iron deficiency.

What is the name of the disease characterized by a high number of red blood cells?

- A. This condition was not mentioned in this passage.
- B. thrombocytopenia
- C. polycythemia
- D. anemia

Correct Answer: C

QUESTION 5

What is the best description for the term pathology?

- A. the study of the disease process
- B. the existence of disease
- C. the carelessness of infection prevention
- D. the maintenance of chronic diseases

Correct Answer: A

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