Unit 12: Hemolytic Anemias
Learning Objectives

At the end of this unit, the student should be able to:

1. Define hemolytic anemia.
2. List two categories of hemolytic anemia.
3. List 2 laboratory tests that reflect increased red cell destruction.
4. List 2 laboratory tests that reflect increased red cell production.
5. Describe the CBC and peripheral smear associated with hereditary spherocytosis; name the diagnostic laboratory test.
6. Describe the CBC and peripheral smear associated with hereditary elliptocytosis.
7. Name the biochemical pathway associated with G6PD deficiency.
8. Name the biochemical pathway associated with pyruvate kinase deficiency.
9. Name a red blood cell inclusion associated with oxidative denaturation of hemoglobin.
10. List the laboratory tests used to diagnosis G6PD deficiency and pyruvate kinase deficiency.