

Post-Lab Quiz

1. **State the principle of the erythrocyte sedimentation rate (ESR).** (2 points)

2. **How do you measure the ESR rate?** (2 points)

3. **List three factors that may affect the ESR.** (1.5 points)
 - (1)
 - (2)
 - (3)
4. **Describe the three stages that occur during the sedimentation rate.** (1.5 points)
 - (1)
 - (2)
 - (3)
5. **State the clinical significance of the ESR.** (5 points)

6. **List the diseases/conditions that may have higher-than-normal ESR results.** (4 points)

7. **List the diseases/conditions that may have lower-than-normal ESR results.** (4 points)

Name(s): _____ Date: _____ Class: _____

For the following three questions, you may use Internet research to prepare your answers.

8. Explain why the erythrocyte sickle shape lowers the erythrocyte sedimentation rate? (10 points)

9. Discuss why fibrinogen and immunoglobulins increase the erythrocyte sedimentation rate? (10 points)

10. Discuss why anemia increases the erythrocyte sedimentation rate? (10 points)