

Questions and Analysis:

1. Which has the larger value, μ_s or μ_k ? _____ Why? _____

2. In this lab, your forward applied force was equal to the backward frictional force. What are the two states of motion an object experiences for this to be true?

3. List two factors that will cause friction to be greater between objects?

4. What can you do reduce the friction between two surfaces that slide past each other?

5. Why is the spring scale operated horizontally when measuring the frictional force?

6. Explain why the type of shoe sole has an effect on the coefficient of friction.
