

10.4: Analysis

1. Did you feel a different force on your bent arm as compared to your straight arm while lifting the dumbbells?
2. Did you feel a different force with straight arms as compared to the bicep curl while holding the dumbbells?
3. Explain why the meter stick only moved a small distance and then stopped moving as you placed the 1000 gram mass on meter stick-bridge. What happened with the forces?
4. Describe any differences shown by your force arrows for the sliding mass, when it was being pushed as compared to when it was sliding.
5. Compare and contrast your force arrows for the two positions of the pendulum as it is swinging. What is similar? What is different?

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