

4.4.6: Questions

1. What is the affect of changing wire length on the frequency?
 2. What is the affect of changing mass on the frequency?
 3. What is the affect of changing wire gauge on the frequency?
 4. Based on established theory, if this exercise had been repeated on the moon, would you expect the frequencies noted in Table 3.1 to be higher, lower, or the same? What about Tables 2 and 3?
 5. What are the some of the possible sources of experimental error in this exercise and how might they be reduced?
 6. What effect (if any) does the pickup position have on the wave shape?
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