## Phy 2A Study Problems

## OpenStax

| Lesson | Chapter | Conceptual Questions | Problems and Exercises <br> (this is the minimum you should do) | More Problems and Exercises |
| :---: | :---: | :---: | :---: | :---: |
| 1 Math \& Units | 1 | 10, 11 | 1, 6, 11, 19, 24, 27 | 2, 12, 28 |
| 2 <br> Motion <br>  <br> Kinematics | 2 | $\begin{gathered} \hline 2,6,11,14,18 \\ 20,21,27,29,30 \end{gathered}$ | $\begin{gathered} 11,14,18,20,24,35,43, \\ 45,54,59,64 \end{gathered}$ | 12, 19, 29, 36, 48, 63 |
|  | 3 | $\begin{gathered} 1,2,4,6,9,12, \\ 13,14,19 \end{gathered}$ | $\begin{gathered} 13,16,19,21,24,25,27,29,34, \\ 40,42,45,53,57,59,65 \end{gathered}$ | 14, 20, 22, 26, 31, 32, 43, 58 |
| 3Newton'sLawsand7Gravity | 4 | $\begin{aligned} & 4,5,8,13, \\ & 15,19,20 \end{aligned}$ | $\begin{aligned} & 3,5,7,9,16,19,21 \\ & 35,38,41,42,44,51 \end{aligned}$ | 1, 6, 14, 15, 39, 43, 50 |
|  | 5 | None | $1,4,7,8,9,11,13,17,18$ | $3,10,12,19$ |
|  | 6 | 2, 4, 5, 10, 14, 17, | $\begin{aligned} & 2,6,8,11,16,21,22, \\ & 25,28,30,36,37,40 \end{aligned}$ | $7,10,15,20,27,32,42$ |
| Work \& Energy | 7 | $\begin{aligned} & 2,3,5,7,8,9, \\ & 12,18,20,21 \end{aligned}$ | $\begin{gathered} 2,3,5,11,13,18,22,23, \\ 27,35,37,56,61,63 \end{gathered}$ | 6, 8, 14, 24, 34, 64, 69 |
| $5$ <br> Momentum | 8 | 3, 5, 8, 19 | $\begin{gathered} \hline 2,4,6,8,13,16,25, \\ 33,41,45,50,52 \\ \hline \end{gathered}$ | 5, 9, 21, 35, 42, 48 |
| $6$ <br> Rotational Motion | 9 | 5, 13, 14 | $1,3,5,9,24,26,29,33$ | 2, 7, 20, 25, 27 |
|  | 10 | $\begin{gathered} \hline 1,3,6,10,14 \\ 15,23,27 \end{gathered}$ | $\begin{gathered} 2,4,6,8,11,13,19,21, \\ 26,32,34,39,40,46 \\ \hline \end{gathered}$ | $3,9,12,15,20,27,33,41$ |
| 8 <br> Oscillations | 16 | 2,3 | $\begin{gathered} 1,2,5,8,12,14,18 \\ 21,24,35,37,39 \\ \hline \end{gathered}$ | 3, 6, 10, 16, 20, 28, 36 |

