

## PhyzJob: Memory Exercises

How many can you get right without looking them up?



Part of the fun of this class is learning all these nifty new symbols. You've got a small stack of handouts covered with symbols. Thankfully, you don't need to memorize all of them. You will need to memorize the ones we use most often. For each section below, look over the appropriate handout first, then give it a try. This is an unusual exercise in this class; we'll rarely have such memory exercises. Any symbols, letters, etc. not included in these exercises will not appear on test questions for this unit.

**I. The Greek Alphabet.** In the following exercise, identify the name of the letter or draw the letter indicated. The names of uppercase letters are written in CAPITAL letters.

- |                   |             |           |
|-------------------|-------------|-----------|
| 1. $\Delta$ DELTA | 6. $\pi$    | 11. PHI   |
| 2. $\sigma$ sigma | 7. $\rho$   | 12. beta  |
| 3. $\theta$       | 8. $\omega$ | 13. SIGMA |
| 4. $\Omega$       | 9. $\alpha$ | 14. gamma |
| 5. $\tau$         | 10. lambda  | 15. mu    |

**II. Math Symbols.** In the following exercise, identify the function of the symbol or write the symbol whose function is listed.

- |                  |                              |                       |
|------------------|------------------------------|-----------------------|
| 1. $<$ less than | 5. $\approx$                 | 9. therefore          |
| 2. $\times$      | 6. $ x $                     | 10. much greater than |
| 3. $\perp$       | 7. $\propto$ proportional to | 11. leads to          |
| 4. $\equiv$      | 8. parallel to               | 12. not equal to      |

**III. SI Prefixes.** In the following exercise, complete the table of SI prefix abbreviations, SI prefixes, and matching powers of ten.

- |              |           |                |
|--------------|-----------|----------------|
| 1. n nano    | $10^{-9}$ | 6. p           |
| 2. M         |           | 7. $10^3$      |
| 3. milli     |           | 8. $\mu$       |
| 4. $10^{12}$ |           | 9. giga        |
| 5. peta      |           | 10. $10^{-15}$ |

**V. Matchmaker.** Sort the list of quantities and units below into the table below. Match each quantity with its corresponding unit.

*watts • work • mass • seconds • torque • joules • force • kilograms • time • speed • meters • meters per second • power • newtons • newton-meters • distance*

QUANTITY	UNIT