

# Disclaimer

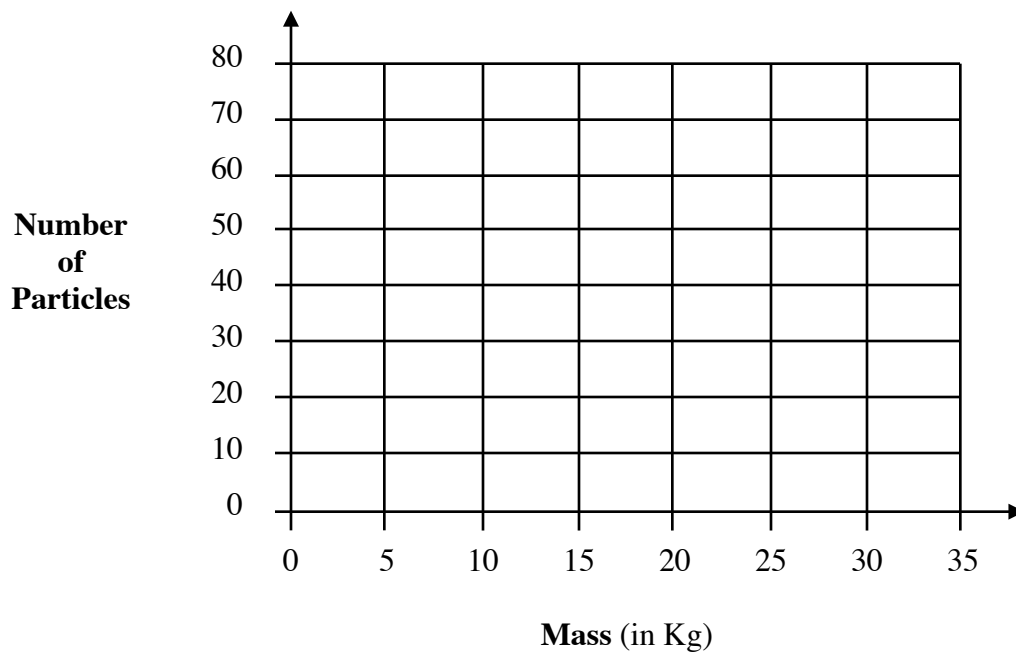
You should use this practice exam to assess your speed and to improve your ability to correctly identify different problem types. The questions on this practice exam are taken from exams given in previous semesters, but they may not be representative of the questions that will appear on this semester's exam. You should also invest time re-reading the relevant parts of your textbook, reviewing your notes, and practicing homework problems.

**You will not receive full credit if you do not clearly show work as demonstrated in class. Show all work in the space provided on this exam. Circle your answers.**

1. A researcher wishes to determine whether there is a relationship between the mass of a radioactive sample and the number of particles released over a ten minute time interval. The data is below.

Mass (in kilograms), $x$	10	0	15	20	5
Number of Particles, $y$	26	10	42	50	22

- a. Draw the scatter plot for the variables. (Mark each point with an  $\times$ .)



- b. Compute the correlation coefficient,  $r$ .





