

MODEL ACTIVITY TASKS
CLASS – IX
PHYSICAL SCIENCE

Write the answers to the following questions :

1. Establish the relation between dyne and newton .
2. A neutral atom has 2 electrons in its K shell , 8 electrons in its L shell and 2 electrons in its M shell. Find the atomic number of the element. Write the symbol of the ion that will be obtained if the electrons in the M shell are removed from the atom.
3. How will you estimate the apparent volume of a drop of water using a measuring cylinder?
4. Mention the shortcomings of Rutherford's model of an atom.
5. A toy car was moving with a speed of 20 cm/s. Its speed became 50 m/s after traversing a distance of 1m. Calculate the acceleration of the car.

**Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen.
Under no circumstance, students will go out of home.**