

**CHEMISTRY MOLE PROJECT – 40 points**  
In honor of “Mole Day, “ October 23

**DUE DATE:** \_\_\_\_\_

**Background information**

The SI unit of quantity is the mole (mol), used to count atoms and other particles. It is equal to  $6.02 \times 10^{23}$  (602,000,000,000,000,000,000,000). Chemistry teachers and students from many areas celebrate October 23 as “Mole Day,” because the date is 10/23.

In honor of this, we are making stuffed animals in the image of moles. According to Merriam-Webster Online, a mole is “any of numerous burrowing insectivores (especially family Talpidae) with tiny eyes, concealed ears, and soft fur.”

On the attached sheet there is a pattern to cut out for making your mole.

**Guidelines**

- Stuffing
  - The stuffing must be nonperishable, such as Styrofoam beads or cotton (NO rice, beans, or other food items)
  - Sand is discouraged since it is easy for it to leak if the seams are not tight.
- Seams
  - must be tightly sewn (NO tape, glue or staples)
- Labeling
  - You must write your full name and the teacher’s name on a piece of masking tape and affix it to the belly of your mole.

**Variations**

- You may make your mole larger or smaller than the pattern.
- You may use any color material for the fur.
- You may use any texture material for the fur, feet, and nose.
- You may embellish your mole (hair, clothing, glasses, bows, makeup, etc.)

**Have fun!**