

CHEMISTRY MOLE PROJECT – optional 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 6.02×10^{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.”

Use the pattern at <http://www.kwanga.net/chemnotes/mole-pattern.pdf> as a template for making your mole.

ONE winner will be chosen by staff vote from each of our classes. ONE school wide winner will be chosen by staff vote among all participating chemistry teachers’ classes.

Guidelines

- ONE MOLE per student. This is an individual project.
- 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.)
- A theme is encouraged (sports, superhero, seasonal, celebrity, etc).

Have fun! ☺

