

CHEMISTRY MOLE PROJECT – optional assignment

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. Have fun!

Submission

- Students will bring their mole to class on or before the due date.

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).