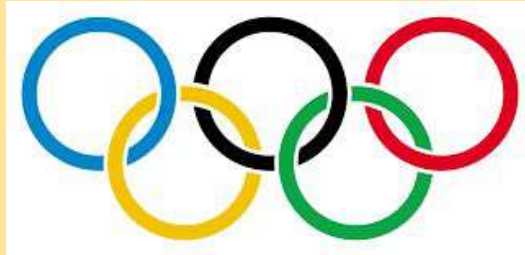
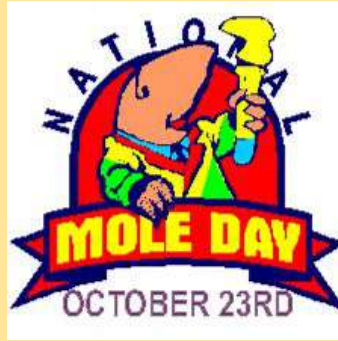


HAPPY MOLE DAY!



WELCOME TO THE MOLE-OLYMPICS





Event #1

6.02 Meter Relay

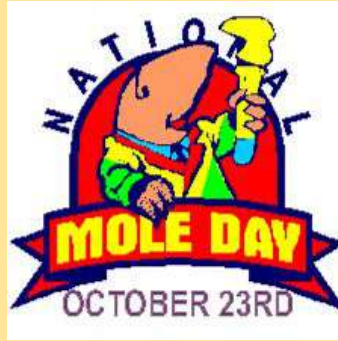
- 1. YOU WILL PUT 6.02×10^{23} MOLECULES OF WATER IN THE GRADUATED CYLINDER PROVIDED TO YOU.**
- 2. THE GRADUATED CYLINDER MUST NOT LEAVE THE LAB BENCH/BALANCE AREA, BUT YOU MAY LIFT IT UP.**
- 3. THE BEAKER OF WATER MAY NOT LEAVE THE START LINE BUT THE DROPPER MAY. THE DROPPER MUST BE HANDED OFF...NOT TOSSED.**
- 4. EACH TEAM MEMBER MUST TRAVEL AT LEAST ONE LEG OF THE 6.02 METERS**



Event #2

MOLAR VOLUME RACE

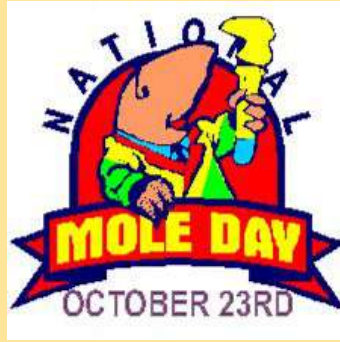
- 1. YOU WILL PUT 6.02×10^{23} MOLECULES OF AIR FROM YOUR LUNGS INTO THE BALLOONS. THIS MUCH AIR SHOULD TAKE UP 22.4 L OF SPACE (THE SIZE OF THE TRASH BAG)**
- 2. BALLOONS MUST BE FILLED AND TIED. ALL TEAM MEMBERS CAN HELP OR JUST SOME.**
- 3. THE BAG WILL BE CONSIDERED TO BE FULL WHEN THE SIDES OF THE BAG WILL NO LONGER TOUCH.**



Event #3

comedy

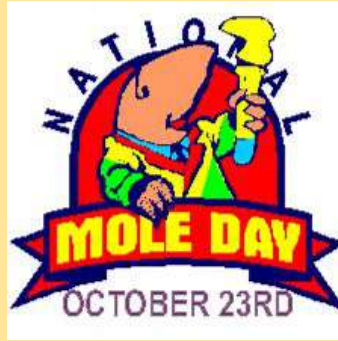
- 1. YOU AND YOUR TEAM HAVE 6.02 minutes TO FIND THE BEST MOLE JOKE OR PUN.**
- 2. WRITE YOUR BEST JOKE/PUN ON THE INDEX CARD.**
- 3. THE JOKES WILL BE JUDGED BASED ON CREATIVITY, SCIENTIFIC ACCURACY, AND IF YOU CAN MAKE MRS. ADAMS LAUGH.**



Event #4

MOLE ART

- 1. YOU AND YOUR TEAM HAVE 6.02 MINUTES TO CREATE A CHEMISTRY-THEMED MOLE DAY SCULPTURE.**
- 2. THE ONLY MATERIAL YOU MAY USE TO CREATE YOUR SCULPTURE IS ALUMINUM FOIL.**
- 3. YOU MAY USE NO MORE THAN 1 MOLE OF ALUMINUM ATOMS TO CREATE YOUR SCULPTURE.**
- 4. MRS. ANDERSON AND THE ART MASTERS CLASS WILL JUDGE THE SCULPTURES.**



Event #5

BATTLE OF THE WITS

**IF YOU HAD A MOLE OF PENNIES AND DISTRIBUTED THEM
EVENLY AMONG EVERYONE ON EARTH, HOW MANY
DOLLARS WOULD EACH PERSON RECEIVE? SHOW YOUR
WORK ON AN INDEX CARD WITH YOUR TEAM NAMES, AND
TURN IN YOUR SUBMISSION TO ME.**