

Balancing chemical equations project (poster) instructions

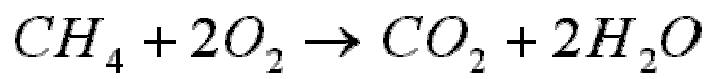
Due on December the 11th (Thursday) of 2014

1. Students must include 10 balanced chemical equations in total, selected from the science website.
 - 5 easy
 - 3 intermediate
 - 2 challenging
2. Each equation is worth 10 points. A total of 100 points can be earned in the project
3. This poster will count as a regular test grade, a zero will be given to students not complying
4. 10 points will be deducted per day for late submissions
5. The title of the project is "Balanced chemical equations"
6. Each equation must include the following:
 - The complete balanced equation with proper coefficients (2 points)
 - The format used by breaking down the elements on both side of the yield sign (2 points) (see figure 1)
 - The hand-drawn diagrams of the molecules (6 points) (see figure 2)
 - Color- Atoms of the same elements must match in color (2 points)
 - Size- Atoms with bigger mass must be bigger (2 points)
 - Neatness- Quality, not messy work will earn (1 points)
 - Labels- All atoms in each molecule must include the atomic symbol (1 points)
7. Any type of paper can be used (white, lined, or colored)
 - Each paper used must include a name, date, and period written with pen, at the top corner
8. The poster must include all ten problems.
9. A large font will be good to make your poster visible and readable
10. The poster must be displayed outside of the classroom so it can be graded
11. Get started early during the weekend to avoid complications at the end, good luck
12. Every student must have a print of the rubric for evaluation (grading)

Read page 2 below to see the example



Figure 1



$$\begin{array}{ccc} \mathbf{C}=1 & & \mathbf{C}=1 \\ \mathbf{H}=4 & = & \mathbf{H}=4 \\ \mathbf{O}=4 & & \mathbf{O}=4 \end{array}$$

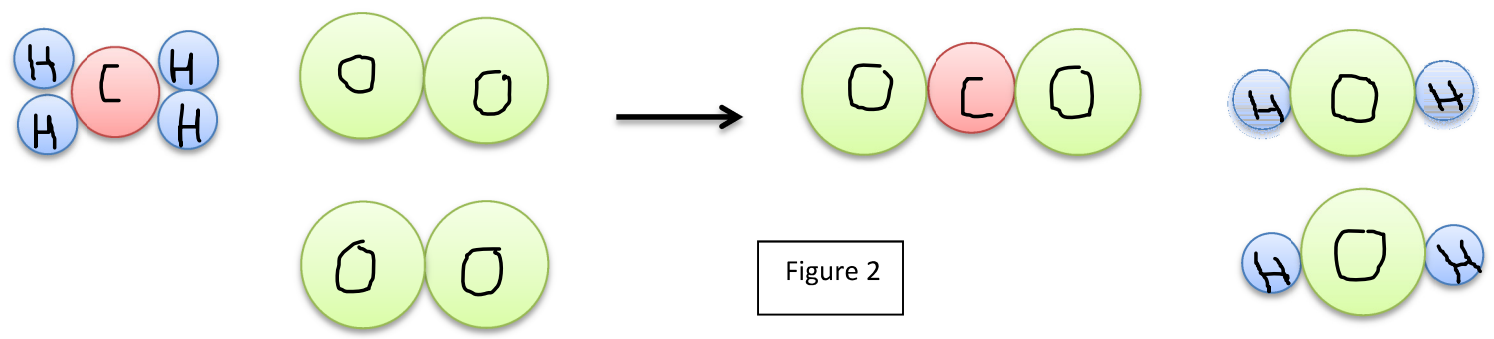


Figure 2

This will be an example of a complete balanced equation with all the details needed for the poster. Notice how cool it looks :-D Remember, your diagram drawings must be done by hand