BLOSSOMS

"Recognizing Chemical Reactions"
Alternate Materials for the Class Activity

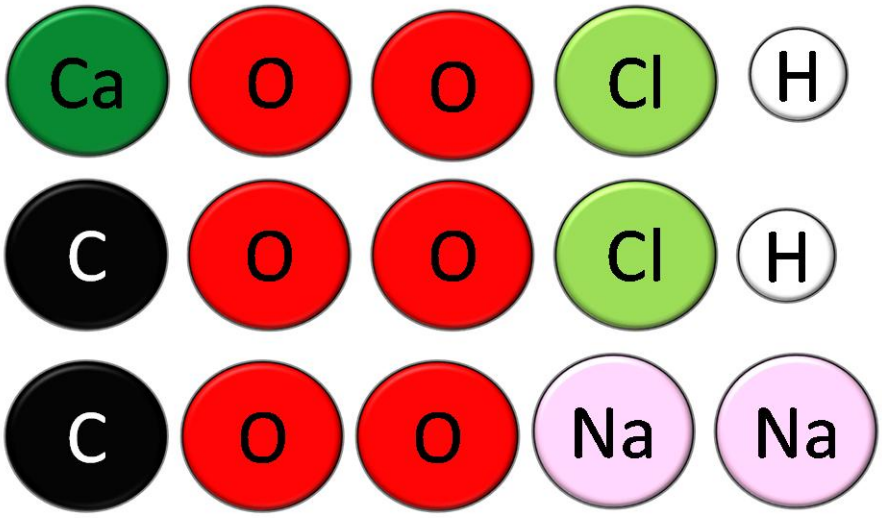
Student Instructions

Instead of plastic bricks, use a recipe to make play dough/clay, or use other representative items for the atoms.

Follow the instructions on page 1 and page 2 to show what happens to the atoms in the reaction.

Layout Mat to Check the Model Atoms

Directions: Form round spheres or disks from six colors of clay or play dough. Make the hydrogen atom (H) smaller in size. Place the model atoms on this mat. Check for the correct number and color: 1 Ca , 2 C, 6 O, 2 Cl, 2 Na and 2 H atoms.

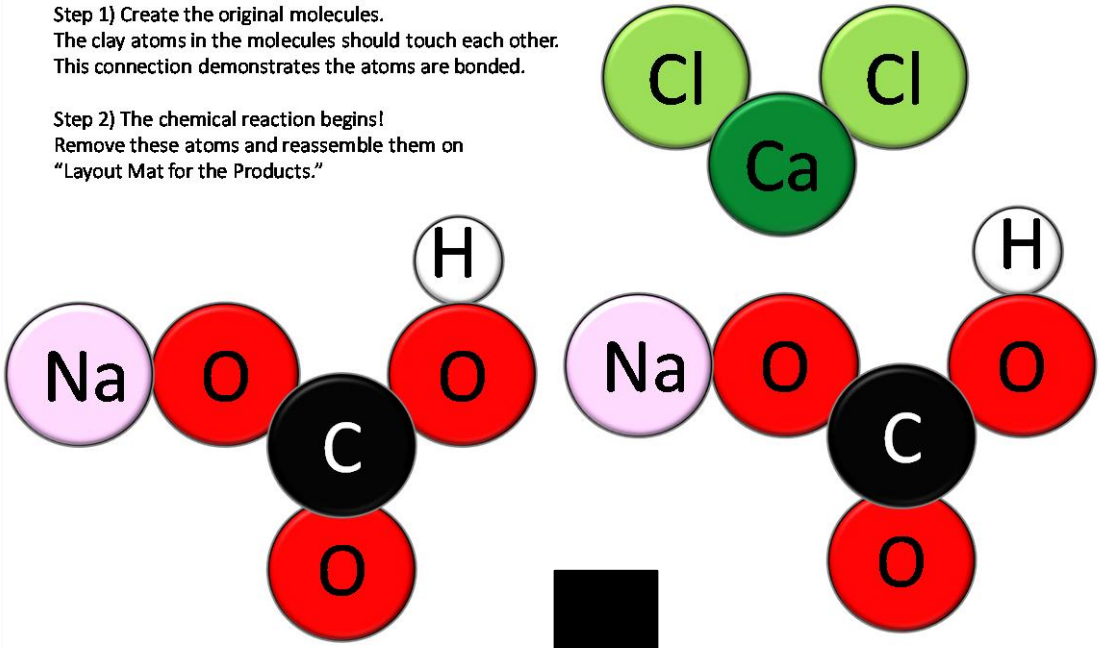


Layout Mat for the Reactants

What we put into the plastic bag

Directions:
Step 1) Create the original molecules.
The clay atoms in the molecules should touch each other.
This connection demonstrates the atoms are bonded.

Step 2) The chemical reaction begins!
Remove these atoms and reassemble them on
"Layout Mat for the Products."



Chemical Reaction!

Layout Mat for the Products

What appeared in the plastic bag!

Directions:
Step 1) Create these new molecules from the reactants.
In each new molecule the clay atoms should touch each other.
This contact shows that the atoms are bonded together.

Step 2) Look at the products after the reaction has been completed.
Are there any atoms left over?