

Molecule Modelling Activity

Model the following reactions:



Questions - Answer the following questions using complete sentences.

1. What side of the reaction do you find the reactants on? What side of the reaction do you find the products on?

2. Complete the chart below for each of the reactions above:

Reaction #	Reactants		Products	
	Elements	# of atoms	Elements	# of atoms
1				
2				

3. When you modelled the above reactions (#1 and 2), how did the type of atoms (i.e. elements) and the number of atoms used on the reactant side, compare to the type and number of atoms used on the products side?

4. Are the reactants and the products the same or different for each reaction? In other words, did the atoms rearrange themselves into a new arrangement?

5. Based on your answers in #4, are these 2 reactions an example of a physical or a chemical change?

6. Complete the chart below for reaction #3:

Reaction #	Reactants		Products	
	Elements	# of atoms	Elements	# of atoms
3				

7. When you modelled the above reaction, how did the type of atoms (i.e. elements) and the number of atoms used on the reactant side, compare to the type and number of atoms used on the products side?

8. Are the reactants and the products the same or different for this reaction? In other words, did the atoms rearrange themselves into a new arrangement?

9. Based on your answers in #8, is this reaction an example of a physical or a chemical change?