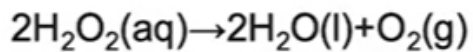


# AP Chemistry Daily Videos

## 4.3 Representations of Reactions

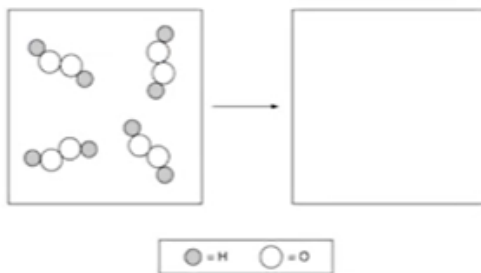
### Daily Video #1

1. What do the different parts of a balanced chemical equation represent?
2. What are some benefits of a particulate diagram?
3. Pause the video at 5:14 and attempt the problem, then evaluate how you did and identify any errors.



Hydrogen peroxide,  $\text{H}_2\text{O}_2$ , decomposes according to the equation above. This reaction is thermodynamically favorable at room temperature.

A particulate representation of the reactants is shown below in the box on the left. In the box below on the right, draw the particulate representation of all the molecules that would be produced from these four reactant molecules.



Source: AP<sup>®</sup> Classroom



Stop the video here and try the problem on your own!

4. What are the takeaways?