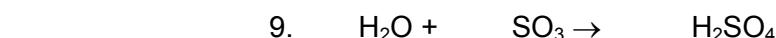
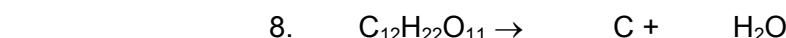
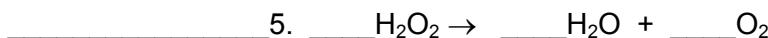
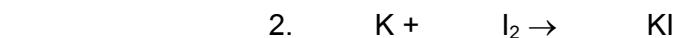


# **Chemistry**

## **Synthesis and Decomposition Reactions**

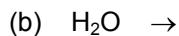
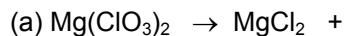
**Balance each of the following equations. Identify them as synthesis or decomposition reactions.**



**Complete and balance each of these synthesis reactions:**



**Complete and balance these decomposition reactions. (In some cases one of the decomposition products is given.)**



1. What is a distinguishing feature of every

(a) decomposition reaction?

(b) synthesis reaction?