

## Inv. 6.7 Synthesis and Decomposition Reactions

Question:

Am I able to predict the products of various synthesis or decomposition reactions?

Prediction: (2)

magnesium + oxygen  $\rightarrow$  ???

copper + oxygen  $\rightarrow$  ???

copper (II) carbonate  $\rightarrow$  ???

hydrogen peroxide  $\rightarrow$  ???

Materials:

Refer to pg. 244 Science Perspectives 10

Procedure:

Refer to pg. 244-245 Science Perspectives 10

Observations: (5)

	Starting material	Description of starting material	Observations during change	Description of products	Type of reaction
1	magnesium ribbon				
2	copper wire				
3	copper(II) carbonate				
4	hydrogen peroxide				

Analyze and Evaluate

- (a) 1
- (b) 4
- (c) 2
- (d) 2
- (e) 1
- (f) 2

6.5 pg. 239 #1-4

- 1. 4
- 2. 4
- 3. 3
- 4. 10