

Review Pak #2
“If I Mix These Chemicals Will It Explode?”

1. Fill in the blanks.

(a) The _____ are new substances that are created following a chemical reaction.

(b) The _____ are either elements or compounds which are present prior to a chemical reaction.

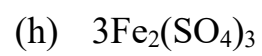
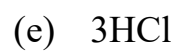
2. Indicate the elements and the number of each atom in each of the following compounds.

(a) MgSO_4

(b) CaCO_3

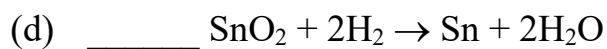
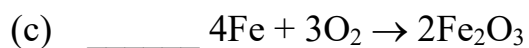
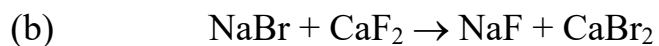
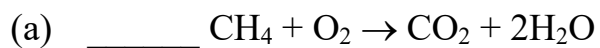
(c) Ca(OH)_2

(d) $\text{Al}_2(\text{SO}_4)_3$



3. What is the law of Conservation of Mass?

4. Indicate if the following chemical equations are balanced (B) or unbalanced (U)?



5. Balance the following chemical equations.

