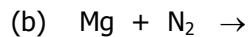
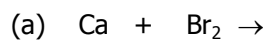


CHEMICAL REACTIONS – SET I

1. What is a characteristic of every synthesis reaction?

2. Complete and balance each of the following synthesis reactions:

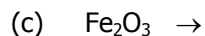
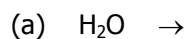


3. What is a distinguishing feature of every

(a) decomposition reaction?

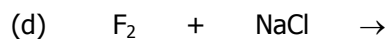
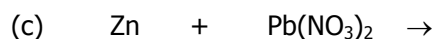
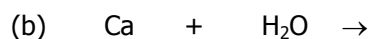
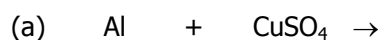
(b) double replacement reaction?

4. Complete and balance these decomposition reactions.



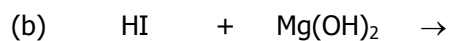
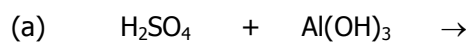
5. How can you tell if a metal can replace a metal ion from an ionic compound in an aqueous solution?

6. Complete and balance the following single replacement reactions.

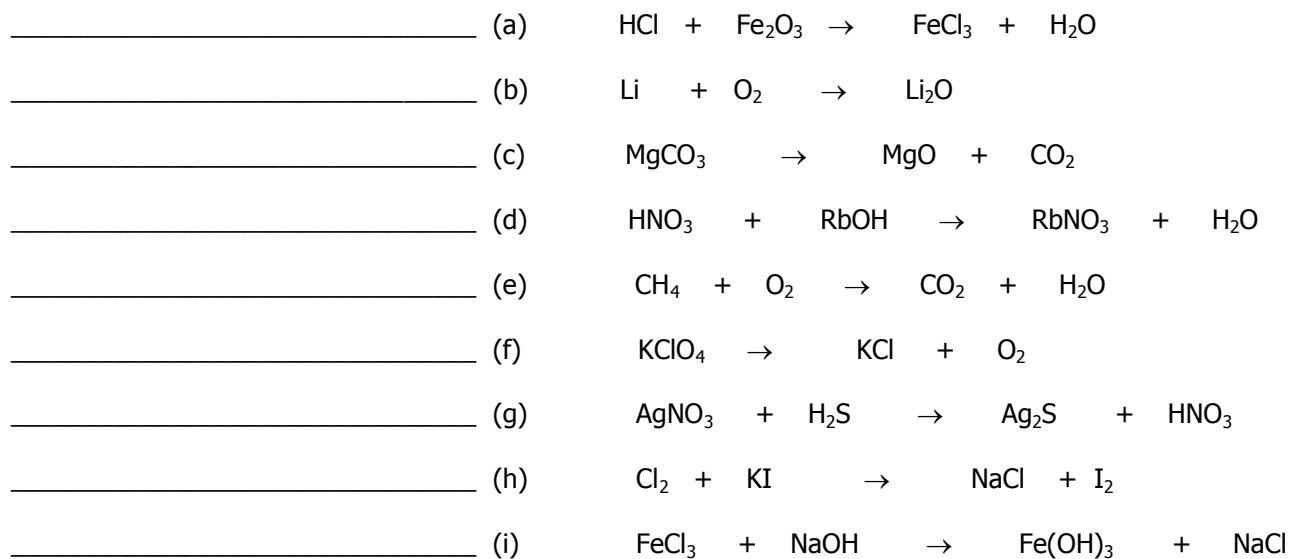


7. Using your activity series, give an example of a single replacement reaction that will **not** take place.

8. Write a balanced equation for each of following acid-base neutralization reactions:



9. Balance each of these equations. Identify each as to type.



10. Write balanced molecular, ionic, and net ionic equations for the following double replacement reactions:

