**GPS – Types of Chemical Reactions Notes**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| ***Bellwork*** |
| http://www.senecafreelibrary.org/wp-content/uploads/2014/05/Youth-14-Experiment.jpg | 1. What is a chemical reaction? Give an example.
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| 1. http://cdn.c.photoshelter.com/img-get/I0000mWH2gkOf.EQ/s/860/860/Fphoto-45739812C-2RM.jpgA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the process by which one or more substances\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into new substances.
2. What are some things that show a chemical reaction is happening?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. What do we call a solid formation in a chemical reaction? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What are the parts in a chemical reaction? ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ substances in the chemical reaction.

 ∙ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the substances that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the chemical reaction.1. Label the formula for a reaction.2 Al + 3Br2 🡪 2AlBr3
2. What are the four types of reactions you read about?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction occurs when two substances, usually two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ combine and form one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **A + B 🡪 AB**
4. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction occurs when one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ compound is broken down into \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ substances. **AB 🡪 A + B**
5. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction occurs when one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_takes the place of another in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **A + BC 🡪 B + AC**
6. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction occurs when ions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ places in \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **AB + CD 🡪 AD + CBWe are going to add ONE more very important reaction!**
7. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reaction is a reaction of a carbon-based compound with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **C3H8 + O2 → CO2 + H2O**
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***Work now on the following worksheets. You will need 4 colored pencils.***