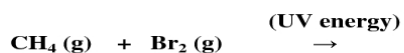
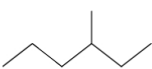


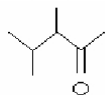
**Organic Chemistry
Worksheet**

1. Draw the line structure for $\text{CH}_3\text{CH}_2\text{CH}_3$. What is the name of this organic compound?
2. Draw the line structure for 3-methyl octane. What is the molecular formula of this organic compound?
3. Write the structural formula of the product for the following reaction:

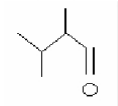


4. Name 
5. Sketch three isomers of C_6H_{14} . Name them.
6. Sketch two isomers of $\text{C}_3\text{H}_7\text{Br}$. Suggest a reaction to produce these.
7. Discuss the reactivity of alkanes. Write the balanced equation for the combustion of 2,2,4-trimethyl pentane.
 - 1.
 - 2.
 - 3.

8. The molecule shown below is:



9. The molecule shown below is:



10. What is meant by an addition reaction? Give an example.
11. What is meant by a substitution reaction? Give an example of one.
12. Give the products of the reactions:
 - a.