

# Physical Science Assignment 3-3

Name \_\_\_\_\_

Class Period \_\_\_\_\_

Date \_\_\_\_\_

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Read section 3-3. Then, based on the information in your textbook, answer the following questions :

1. Define **chemical properties** as described in section 3-3.

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2. Why is **flammability** considered to be a chemical property?

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3. Describe five **physical properties of oxygen** that are mentioned in section 3-3.

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4. Explain the term **chemical change**.

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5. Describe four common chemical reactions between two substances and the product that results from the reaction. (All can be found in section 3-3.)

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6. Name eight **physical** properties that are described in other sections of this chapter.

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_____	_____
_____	_____
_____	_____

**Please continue on the other side.**

7. Explain the process of biodegradation which takes place with **biodegradable** materials.

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8. Explain why the use of biodegradable packaging materials can benefit our planet.

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9. Identify the following changes as either **physical** or **chemical**. Explain your answers.

	Chem.	Phys.	<b>Explain your choices below.</b>
baking brownies			
digesting food			
dissolving sugar in water			
melting butter			
exploding fireworks			
rusting iron			
breaking glass			
burning coal			

10. Identify the following properties as either **physical** or **chemical**. Explain your answers.

	Chem.	Phys.	<b>Explain your choices below.</b>
taste			
flammability			
color			
odor			
ability to dissolve			
tendency to rust			