



# Unit Overview

## Student Materials

### Contents

- (Optional) Clear Sunscreen: Pretest
- (Optional) Clear Sunscreen: Posttest

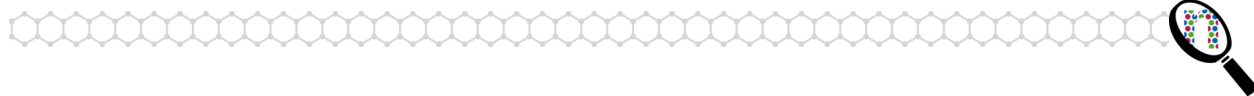


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Clear Sunscreen: Pretest

1. In what ways are “nano” sunscreen ingredients similar and different from other ingredients currently used in sunscreens? For each of the four categories below, indicate whether “nano” sunscreen ingredients are “similar” or “different” to organic and inorganic ingredients and explain how.

	Organic Ingredients (e.g. PABA)			Inorganic Ingredients (e.g. Classic Zinc Oxide used by lifeguards)		
Chemical Structure	Similar	or	Different	Similar	or	Different
How:				How:		
Kinds of Light Blocked	Similar	or	Different	Similar	or	Different
How:				How:		
Way Light is Blocked	Similar	or	Different	Similar	or	Different
How:				How:		
Appearance on the Skin	Similar	or	Different	Similar	or	Different
How:				How:		



2. Briefly describe one benefit and one drawback of using a sunscreen that contains “nano” ingredients.

3. What determines if a sunscreen appears white or clear on your skin?

4. How do you know if a sunscreen has “nano” ingredients?

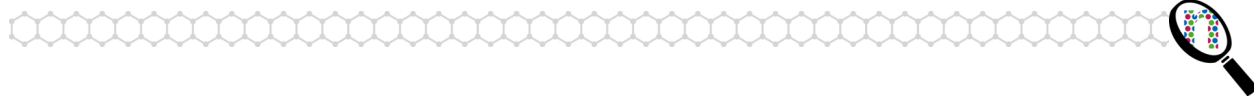


Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## Clear Sunscreen: Posttest

1. In what ways are “nano” sunscreen ingredients similar and different from other ingredients currently used in sunscreens? For each of the four categories below, indicate whether “nano” sunscreen ingredients are “similar” or “different” to organic and inorganic ingredients and explain how.

	Organic Ingredients (e.g. PABA)			Inorganic Ingredients (e.g. Classic Zinc Oxide used by lifeguards)		
Chemical Structure	Similar	or	Different	Similar	or	Different
How:						
Kinds of Light Blocked	Similar	or	Different	Similar	or	Different
How:						
Way Light is Blocked	Similar	or	Different	Similar	or	Different
How:						
Appearance on the Skin	Similar	or	Different	Similar	or	Different
How:						



2. Briefly describe one benefit and one drawback of using a sunscreen that contains “nano” ingredients.

3. What determines if a sunscreen appears white or clear on your skin?

4. How do you know if a sunscreen has “nano” ingredients?