

Driver Education  
Classroom and In-Car Curriculum

**Unit 14**

**Tire Safety and Maintenance**



Checking Your Tread Wear

Name

Date

Directions: Fill in the correct answers for each question below.

\_\_\_\_\_ 1. When checking the tires tread depth, in which direction should you place the penny?

A. Lincoln's head up



B. Lincoln's head down



C. Lincoln's head backwards



\_\_\_\_\_ 2. When conducting the Penny Test, what is indicated if you can see a space between the tread and the top of Lincoln's head?

A. The tires are worn and should be replaced

B. The tires have sufficient tread in that spot

C. The tires are worn but do not need to be replaced yet

\_\_\_\_\_ 3. If your tread gets below 2/32 of an inch, your car's ability to grip the road in adverse conditions is greatly reduced. True or False.

\_\_\_\_\_ 4. You should check your tires tread with the Penny Test every 6 months.

True or False.

5. What is the importance of checking the tread depth?

\_\_\_\_\_

\_\_\_\_\_

## Unit 14 Tire Safety and Maintenance

### Steps to Maintain Your Tires

### Worksheet 14.2.2

#### Checking Your Air Pressure

Name \_\_\_\_\_

Date \_\_\_\_\_

Directions: Fill in the correct answers for each question below.

- \_\_\_\_\_ 1. You should check your tire's air pressure after driving the vehicle when the tires are hot. True or False.
- \_\_\_\_\_ 2. What should happen when you insert a manual tire pressure gauge into the valve stem on your tire?
- A. The tire gauge will click when it is ready
  - B. The tire gauge will pop out, but you will not hear any noise
  - C. The tire gauge will pop out and you will hear a "psst" sound
- \_\_\_\_\_ 3. If your vehicle's recommended tire pressure is 32 psi and the tire pressure gauge indicates your tire pressure is 30 psi what should you do?
- A. Let air out of the tire
  - B. Add air to the tire
  - C. Replace your tires
- \_\_\_\_\_ 4. Tires have been known to lose up to 1 psi every month.  
True or False.
5. What is psi and where can you find your vehicle's recommended tire pressure?

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## Unit 14 Tire Safety and Maintenance

### Steps to Maintain Your Tires

### Learning Activity 14.2

#### Checking Your Air Pressure and Tread Wear

Name \_\_\_\_\_

Date \_\_\_\_\_

Directions: When completing this activity fill in the following results about your tires.

1. What is the make, model and year of your vehicle?  
\_\_\_\_\_
2. What is your vehicle's recommended pounds per square inch (psi)?  
\_\_\_\_\_
3. What was the tire's psi's when checked with a tire pressure gauge?
  - a. Front driver-side tire psi \_\_\_\_\_
  - b. Rear driver-side tire psi \_\_\_\_\_
  - c. Rear passenger-side tire psi \_\_\_\_\_
  - d. Front passenger-side tire psi \_\_\_\_\_
4. When conducting the Penny Test indicate for each tire whether the tire passed or failed the Penny Test by circling P or F? Passed (P) good tread, Failed (F) poor tread and tire needs to be replaced
  - a. Front driver-side tire      P      F
  - b. Rear driver-side tire      P      F
  - c. Rear passenger-side tire      P      F
  - d. Front passenger-side tire      P      F



## Unit 14 Tire Safety and Maintenance

### Unit 14 Words to Know Matchup

### Worksheet 14.6

Name \_\_\_\_\_

Date \_\_\_\_\_

Directions: Match the clues on the left with the words in the list on the right. Place the matching letter in the blank to the left of the number.

- |   |                                  |
|---|----------------------------------|
| <p>_____ 1. The amount of air in your tire(s).</p>  | <p>A. 2/32 of an inch</p>        |
| <p>_____ 2. Slight adjustment of front and/or rear suspension components by a tire professional so your vehicle and tires drive straight and do not pull to one side.</p> | <p>B. Over-inflated tires</p>    |
| <p>_____ 3. The legal minimum tread depth in the United States.</p>   | <p>C. Penny Test</p>             |
| <p>_____ 4. An instrument or tool used to check the amount of air pressure in your tire(s).</p>   | <p>D. Pounds per square inch</p> |
| <p>_____ 5. The overall condition of the remaining tread.</p>   | <p>E. Spare tire</p>             |
| <p>_____ 6. Used to determine if your tires' tread is good or if it is low and needs replaced.</p>  | <p>F. Tire alignment</p>         |
| <p>_____ 7. Each tire is moved to a different position on the vehicle to ensure that all tires wear evenly.</p>   | <p>G. Tire balancing</p>         |
| <p>_____ 8. Tires with too much air pressure.</p>   | <p>H. Tire pressure</p>          |
| <p>_____ 9. Grooves across the tire have different depths that may indicate an improperly inflated tire or some other underlying issue.</p>                               | <p>I. Tire pressure gauge</p>    |
| <p>_____ 10. The distribution of weight within a tire to which it is attached.</p>  | <p>J. Tire professional</p>      |
| <p>_____ 11. A mark molded into the tire which shows if the tread surface is worn.</p>  | <p>K. Tire rotation</p>          |
| <p>_____ 12. Tires with not enough air pressure.</p>  | <p>L. Tread wear</p>             |
| <p>_____ 13. The measurement for tire pressure.</p>   | <p>M. Tread wear indicators</p>  |
| <p>_____ 14. Extra tire in the trunk of your vehicle if your tire is flat or damaged.</p>   | <p>N. Under-inflated tires</p>   |
| <p>_____ 15. The person who sells, installs and/or repairs tires and is trained in selling, installing, inspecting and repairing tires.</p>                               | <p>O. Uneven tread wear</p>      |

