Name Da	te	Period
Speed and Circumference		
A car's speedometer calculates the speed of a car based on the tire di axle. Each rotation moves the wheel in one complete circle.	ameter and th	he number of rotations of the
To find the speed you must multiply the circumference by the number of rotations and then divide by the time.		
Speed = (Circumference X # of rotations) / Time		
1. A car with a tire diameter of 15 inches drives for 0.5 hours. During is the speed of the car (include units)?	g this time th	ne axle rotates 100 times. What
2. A car's axle rotates 2000 times in 1 hour. The tire's diameter is 2	l inches. Wh	nat is the speed?
3. If a tire's circumference is 94.25 inches, what is the diameter of the	ne tire?	
4. Why is pi important in our everyday lives? Give at least 3 example	les. Answer	in Complete Sentences.