

Name: _____

Class: _____

Ideal Pressure for Balance

GRADES 6-8

Elaborate

Trial	Tire Feel	Tire Pressure (psi)	Time to Ride (100 ft) Seconds
1	Under-inflated	15 psi	
2	Properly-inflated	30 psi	
3	Over-inflated	45 psi	

Which tire pressure had ideal balance and performed the best?

Evaluate

Draw a diagram at a molecular level of what would happen to a tire on a winter day and summer day.

Winter Day	Summer Day

How does temperature affect a tires behavior and performance? Explain using reasoning and evidence from observations and experimental data.