

Petersen Auto Museum Study Guide

Name _____ Period _____ Date _____

- Go to each interactive exhibit listed
- Participate in the activity and record your observations and answer questions listed.

Activity	Question	Answer
Transmission	Does a transmission increase or decrease the power available to the drive wheels?	
"Bicycle Wheels"	Why, when the wheel is spinning, do you rotate on the chair as the wheel is turned perpendicular to its axis?	
Pinebox Derby Racetrack	List three factors that influence how fast the car would be traveling at the bottom of the track.	
"Racing Wheels"	Why does one wheel seem to win every time despite the fact it is the same size and mass?	
Recycle Bin	List 5 components of a car that is typically recycled.	
Recycle Bin	List 5 components of a car that is typically NOT recycled.	

Chrysler Turbine Car	Why would a turbine powered car of 140HP have similar performance to a piston powered car of over 200HP?	
Fuels	List three different kinds of fuel used and the advantages and disadvantages of each.	