

NAME: _____ GROUP: _____ DATE: _____

Suspension and Transmission Systems

Find the mistakes and rewrite

Read the sentences and find the mistake. Then, rewrite the sentences to make them true.

1. If there is a sudden change in weight in the car, the MCPherson strut helps absorb it.
2. The air spring's metal strips bend and flex to absorb road shock.
3. A double-wishbone suspension has a coil spring and shock absorber attached to it.
4. There are two arms on a leaf spring

Read then choose True or False

Transmission Trouble?

Problems with the **drive train** can ruin a car. That's why it's so important to catch signs of it early. Here's a list of common **transmission system** problems. If you find any of these, you'd better get to a mechanic.

Problem 1 Fluid is leaking. **Transmission fluid** is a red, sticky fluid. If you see this substance under your car, there's a problem. The transmission system is closed, so fluid will never leak in a properly functioning system.

Problem 2 Your **manual transmission** grinds when the **clutch** is engaged. This suggests that the synchronizers are worn out or damaged. Listen for grinding when you depress the **clutch pedal**, but before you move the **gear shift**.

Problem 3 Your **automatic transmission** lags or jars when changing gears. An automatic transmission should change gears smoothly. Anything else points to transmission trouble.

Problem 4 The transmission whines or clunks. These sounds may come from different parts of the car, depending on whether you have **front-**, **rear-**, or **four-wheel drive**, as most have different transmission placements. But no matter where the sound comes from, see a mechanic before it gets worse.

1 ___ All transmissions lose fluid over time.
2 ___ Grinding sounds indicate problems in automatic transmissions.
3 ___ Most rear- and front-wheel drive cars have transmissions in different areas.

Match term with definitions

1 Rear-wheel drive	a system that powers a car from the back wheels.
2 Automatic transmission	a transmission controlled by the driver.
3 Manual transmission	a lever that allows drivers to change gears.
4 Drive train	a transmission controlled by the car.
5 Clutch pedal	the system that delivers power to the wheels.
6 Engage	to use.

LIVEWORKSHEETS