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Car parts worksheet pdf

Car image by Warren Millar from Fotolia.com Automobiles are made up of many small parts that form complex systems, all of which work together for you to drive the car. Understanding the basic systems and their key components can help the home mechanic perform the proper maintenance and repair. The powertrain is the system that generally makes your car move. It includes the engine, which burns fuel to produce the mechanical energy that moves the car, as well as the transmission, which changes the gear difference to use the power produced by the engine efficiently. It may also include the fuel system consisting of the tank, different filters, fuel injectors or carburetors; the exhaust system, which removes the waste products from the engine; the cooling system, which prevents the engine from overheating, and the braking system, which stops the car. The chassis of the car contains the skeleton frame of the car. The most noticeable parts of the chassis are the steering system, which allows you to turn the wheels and change direction; the suspension system, which keeps the wheels on the ground, prevents a bumpy ride and stabilises the steering; the frame that supports and holds all the parts of the car together, and the wheels. Many parts of a car run on electricity. This includes the car's computer, which micromanages many of the sensitive components, as well as engine spark plugs, headlights, interior and dashboard lighting, and stereo system. The car draws its electric current from the battery, which is charged through the rotating engine via the dynamo. A lot of technique goes into designing the body of the car, which is composed of the metal, plastic or fiberglass pieces that cover the hood, roof, doors and sides of the car. It also includes the bumpers, windows, grille and suitcase lid. The design of the bodywork should try to minimize the drag to increase fuel consumption, as well as aesthetically appealing to the driver. The interior of a car also contains a number of important parts. The dashboard and the different dials tell you the status of your car at any given time, and no car would be complete without seats, whether they are bucket or benches, covered in leather or dust. Most cars on the road today also include fans and ventilation for air conditioning and heat, as well as controls for those systems. No car would be considered safe without seat belts, and many, especially more modern, cars come with passive restraints, such as front and side passenger and driver airbags. If you take up required space in your garage, there are several options that you can take advantage of, such as recycling, with your council or local scrap heap or sell. These three options are most common figuring out what to do with old car parts. Your choices will depend on the facilities near you. There may be facilities available in your area where you can take and recycle old car parts. Check in your local telephone directory or on the internet. Some facilities will pick up the items, while others will require you to bring them yourself. When you take old car parts to the recycling plant, they will be cleaned of and dirt and debris and melted. This metal is then made into other items. This allows the base metals to be reused in other products, such as steel beams or perhaps even other car parts. Some cities or cities have special garbage collection days, when workers pick up items that are not everyday material. The municipality usually organizes these. You call your city to find out when these days are planned. The junkyard can also come and collect old car parts from you. Because car parts are often recyclable or reusable, the scrap heap offers money for it in some cases. In the event that nothing can be done profitably with the parts, the company will deposit them in the most suitable place. If you have old car parts that are in pretty good shape, you have the ability to sell them. There are companies that buy them to repair or rebuild cars; some even just collect old car parts as a hobby, depending on the make of the car. This is a good chance to regain some of the money you have spent on the car. You search for these dealers locally or online. Each works in a different way, so before committing to someone, get a few estimates first. If you have a known make or model of a vehicle, you also search for ads from people who are looking for those parts. Jupiterimages/Comstock/Getty Images Even the most advanced cars on the road depend entirely on a simple machine: the wheel. Where the proverbial rubber meets the road, wheel structure and function make a car smooth from point A to point B and back. However, this important feature of car limiting only a few simple parts that, despite differences in style or structure, offer essentially the same functions from wheel to wheel. The outer lining of the wheel is called the tyre. Usually made of rubber, tires provide muted support for the car's weight, traction control for moving and stopping, along with a replaceable barrier between rim and road. Tires come in a variety of shapes and sizes that depend on the type of car to which you attach them. The section that comes into contact with the road, called the tread area, usually contains grooves and notches that increase friction or force water and debris away from the wheel. Tires are filled with pressurized air to support the cushion; U they fill up to a certain number of kilos per square inch (psi) depending on the road surface, type of car and type of rubber used in the tyre. Most car tires list specifications on the wall (side section) (side section) the band. The edge of the wheel of a car is the skeleton body of the tire. It supports the rubber band, which wraps around it, and houses the nadd. Typically made of strong metals such as steel and aluminum, car rims come in different shapes and sizes and can range from standard rims covered with plastic hubcaps to solid spinner rims that freely spin metal attachments on the outer part of the wheel. The width and diameter of the rim determine the size tire it can fit, although some tires are wider or narrower than the rim for which they are made. Custom rims offer aftermarket staining, style and size options, but can cost significantly more to balance, refit or repair. The seam is the central part of the wheel that attaches the entire wheel to the axle and braking system. The central hole of the deck serves as the gate for the shaft (the long shaft that attaches two wheels) and sits in the middle of the bolt circle, a series of five holes that house the bolts to which nuts attach (cams are the closed nuts that hold the wheel on the car). The brake rotors and seam stalks rest against the wheel seam; braking action occurs against the wheel to slow down or completely stop a car. The average car consists of about 1,800 individual parts. This includes some large parts, such as the engine, which is inserted as a unit during the auto-making process, but contains thousands of individual pieces themselves. Each car generally requires between 4,500 and 4,800 welds to fit the required pieces together. A standard car takes about 19 hours to assemble in a factory. However, the assembly systems are huge, with thousands of shift workers. Robots and rolling assembly tracks are also part of the process. Numerous cars are brought together in one factory at once. A normal production day yields about 1,450 cars. When children study grammar, one of the most basic lessons they learn involves the parts of speech. The term refers to the category to which words are assigned based on how they function in a sentence. Knowing and understanding the parts of speech help children avoid grammar errors and write more effectively. English grammar consists of eight basic parts of speech: Self-noud: Name a person, place, thing or idea. Some examples are 'dog', 'cat', 'table', 'playground' and 'freedom'. Pronouns: Take the place of a noun. You could use it instead of girl or he instead of Billy. Verbs: Show action or a state of being. Verbs are the words 'run', 'look', 'sit', 'ben' and 'is'. Adjectives: Describe or change a noun or pronoun. Adjectives give details such as size or shape. Adverbs: Describe or change a verb, adjective, or other adverb. These words often end in '-ly', such as 'fast', 'quiet' and 'soft'. Prepositions: beginning sentences called preposition phrases that between other words in the sentence. Words such as 'by', 'on' and 'between' are prepositions. Examples of its use in one sentence are: The girl sat by the lake. The boy was standing among his parents. Add: Join two words or clauses. The most common conjunctions are 'and', 'but', and 'or'. Interjections: Show strong feeling. They are often followed by an exclamation point, like Oh! or Hey! Try some fun activities with your kids to help them learn to identify every part of speech. One activity could be using a different colored pencil for each part of speech and underline them in old magazines or newspapers. Print these parts of speech worksheets for your kids to complete: Beverly Hernandez Spend some time discussing speech sharing with your students or children. Give plenty of examples of each. Then invite students to fill in these parts of the speech word sheet. For some enjoyable practice identifying parts of speech, pull out some of the children's favorite books and find examples of different parts of speech. You could treat it as a scavenger hunt, looking for an example of each. Beverly Hernandez As children looking for the names of the parts of speech in this word puzzle, encourage them to revise the definition for each. See if they can come up with one or two examples for each part of the speech as they find the category in the puzzle. Beverly Hernandez Use this crossword puzzle as a simple, engaging activity to view the parts of speech. Each clue describes one of the eight basic categories. See if students can complete the puzzle themselves. If they have problems, they can refer to their completed vocabulary worksheet. Beverly Hernandez You use this challenge worksheet as a simple quiz about the eight parts of speech. Each description is followed by four multiple choice options from which students can choose. Beverly Hernandez Young students can use this grammar activity to review the eight parts of speech and refresh them on their alphabetizing skills. Children should write each of the terms of the word bank in alphabetical order on the blank lines. Beverly Hernandez In this activity, students decode the letters to reveal each of the eight parts of the speech. If they get stuck, they can use the clues at the bottom of the page to help. Beverly Hernandez Let your students play super scavenger hunt with this challenging secret code activity. First they have to decipher the code. They can then use their decoding key to identify the parts of speech. There are clues at the bottom of the page to help if they have problems.

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