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| Resultado de imagen para listal talca |  Hybrid Vehicles  |
| Name |  |
| Grade: Terceros y Cuartos Medios ……… 2020 | Date Julio 2020 |
| Objective: Demostrar habilidad de lectura comprensiva adquirida en los trabajos desarrollados  Desarrollar las actividades de comprensión lectora. |
| Teacher . Miss Patricia Jara Céspedes |

**Reading .**

A hybrid vehicle is a vehicle which uses two or more kinds of propulsion. Most hybrid

vehicles use a conventional gasoline engine as well as an electric motor to provide power to the

vehicle. These are usually called hybrid-electric-vehicles, or HEVs. Hybrids use two types of

propulsion in order to use gasoline more efficiently than conventional vehicles do. Most hybrid

(5) vehicles use the gasoline engine as a generator which sends power to the electric motor. The

electric motor then powers the car. In conventional vehicles, the gasoline engine powers the

vehicle directly.

Since the main purpose of using a hybrid system is to efficiently use resources, most

hybrid vehicles also use other efficient systems. Most hybrid vehicles have regenerative braking

(10) systems. In conventional vehicles, the gasoline engine powers the brakes, and the energy used in braking is lost. In regenerative braking systems, the energy lost in braking is sent back into the electrical battery for use in powering the vehicle. Some hybrid vehicles use periodic engine shutoff as a gas–saving feature. When the vehicle is in idle, the engine temporarily turns off. When

the vehicle is put back in gear, the engine comes back on. Some hybrids use tires made of a stiff

(15) material which rolls easily and prevents drag on the vehicle.

Hybrid vehicles save up to 30% of the fuel used in conventional vehicles. Since hybrid

vehicles use less gasoline, the cost of operating them is less than the cost of operating

conventional vehicles. Therefore, hybrid vehicles are gaining in popularity. According to a

recent study, over the five years it typically takes for a person to pay for a car, a typical hybrid

(20) car driver would save over $6,000 in gasoline costs. Almost all the world’s major automakers are planning and producing safe and comfortable hybrid vehicles to meet the demand for these

increasingly popular vehicles.

Although hybrid vehicles do represent a marked improvement in environmentally

conscious engineering, there still remains one significant potential drawback: battery disposal.

(25) Batteries are difficult to dispose of in an environmentally safe manner. To properly dispose of

the battery in a hybrid car requires substantial effort. If the battery is not disposed of properly,

the environmental impact of a hybrid car can be equal, if not greater than, that of a regular gas

only car.

Since hybrid vehicles use less gasoline than conventional vehicles, they put fewer

(30) emissions into the atmosphere than conventional vehicles do. As hybrids become more popular, conventional vehicles are being used less, and the level of emissions being put into the air is decreasing. Hybrid vehicles are an example of an energy-efficient technology that is good for

both consumers and the environment.

**Questions**

**1. According to the passage, which of the following statements is/are true?**

I) Two braking systems are used in most hybrid vehicles.

II) Approximately 30% of vehicles on the road are hybrid vehicles.

III) Some HEVs have engines which turn off when the vehicle is not moving.

A) I only B) II only C) III only D) I and II only E) II and III only

**2. According to the passage, HEVs use two types of propulsion mainly in order to**

A) go faster. B) use gasoline efficiently. C) provide a comfortable ride.

D) provide a safe driving experience. E) put fewer emissions into the atmosphere.

**3. In line 9, regenerative most closely means**

A) electric B) gasolina C) powerful D) restorative E) second–generation

**4. In the context of the passage, which of the following best articulates how the author regards**

**the topic? (Correct or Incorrect)**

A) Conventional vehicles may be more powerful than hybrid vehicles, but hybrid vehicles

are the more socially responsible vehicles to operate. ……………………..

B) Since hybrid vehicles use less gasoline and put fewer emissions into the atmosphere than

conventional vehicles, they are better for drivers and for the environment. …………………….

C) Conventional vehicles are faster than hybrid vehicles, but hybrid vehicles are better for

the environment than conventional vehicles……………………

D) Since hybrid vehicles are much less expensive to purchase and operate than conventional

vehicles, they are a smarter buy than conventional vehicles. …………………………

E) Two sources of propulsion provide more power to a hybrid vehicle, making it more

powerful and faster than a conventional vehicle, so it is more socially responsible to buy

a conventional vehicle. ……………………………….