

## Unit Standard **21674**

### **Demonstrate knowledge of terminology used in the motor industry**

Level 2 Credit 2 v2

**Student Name:**

**School:**

**Date:**

**Marked By:** \_\_\_\_\_ **Mark** \_\_\_\_\_ **%**

**Feedback:**      **Excellent work**   
                         **Good work**

**Please attempt all questions**   
**Please resubmit**

## **USEFUL WEBLINKS**

### **Transmissions**

<http://youtu.be/K53cPGRE1Kk>

<http://youtu.be/IKywZ730JFs>

<http://youtu.be/6BaECAbapRg?list=PLC158853B50FE712A>

### **Differential**

<http://youtu.be/gIGvhvOhLHU>

### **Parts of a vehicle**

<http://youtu.be/ralw-IZAaf0>

### **In and Outboard Engines**

<http://youtu.be/YSDvMBGvPeg>

### **Suspension**

<http://youtu.be/WDDdFEHHXVM>

### **Raising Car on Stands and Removing Wheels**

<http://youtu.be/t6TRIRaAZwY>

### **Checking wheel bearings**

<http://youtu.be/IpdghLj6AhE>

### **Checking tyres**

<http://youtu.be/ck9rmeG3lgE>

### **Wheel Alignment**

<http://youtu.be/MFxH-kjbs7Q>

[http://youtu.be/F6ZZ\\_U\\_F11Y](http://youtu.be/F6ZZ_U_F11Y)

### **Handtools and equipment**

<http://youtu.be/o99aKu2wyjA>

<http://youtu.be/ZqJJaXXLAvs>

<http://youtu.be/JfqbzNmR7cc>

### **Measuring tools**

<http://youtu.be/JX8gHdNpamk>

### **Hoists**

[http://youtu.be/N3R\\_8889p3g](http://youtu.be/N3R_8889p3g)

## **REVIEW QUESTIONS ONE**

Q1 What is the difference between a Warrant of Fitness and a Certificate of Fitness?

Q2 What is a Service Maintenance schedule?

Q3 What is meant by the term semi automatic transmission?

Q4 What is the final drive assembly?

Q5 List any two adjustments that are carried out during a routine service.

Q6 List two of the main clutch system components.

Q7 Why are forklifts fitted with counterweights?

Q8 List any three outdoor power equipment tools or machines.

Q9 What is meant by the term electric vehicles?

Q10 What is meant by the term driveline?

Q11 What is meant by the term pneumatic brakes?

Q12 What is a sway bar?

13. Complete the table matching up each term with its appropriate description. For example:  
 A – Steering column = 6 – Transfers the turning force of the steering wheel to the steering box

A	Steering column	<b>A6</b>	1	Heavy rubber pillows used in the suspension to absorb shocks
B	Power assisted steering		2	Materials that covers the seats and linings in the passenger cell
C	Air bag suspension		3	Driver selects the gear required and transmission changes into that gear usually without the use of a clutch.
D	Rear suspension		4	Operate automatically once air pressure is removed.
E	Upholstery		5	Separates the engine bay from the driver's compartment.
F	Parcel shelf		6	Transfers the turning force of the steering wheel to the steering box
G	Spoiler		7	Has one power stroke for every revolution of the crankshaft
H	Firewall		8	Contains the crown wheel, pinion and spider gears.
I	Guards		9	Improves aerodynamics of the vehicle
J	Semi automatic transmission		10	Uses a combination of combustion engine and electric motors
K	Final drive assembly		11	Used to assist the drivers brake pedal effort when applying brakes.
L	Alternative fuels		12	Supports a large part of the weight of passengers and luggage and absorbs road shocks and assist with steering
M	Two stroke		13	Moulded panel that covers the space between the rear seats and rear windscreen
N	Hybrid		14	Used in each corner of the vehicle
O	Brake booster		15	More environmentally friendly fuels that are becoming more commonly used.
P	Spring brakes		16	To minimise the drivers effort when steering the vehicle.

## REVIEW QUESTIONS TWO

Q14 What is a drift used for in the workshop?

Q15 What is the difference between socket tip and pozidrive screwdrivers?

Q16 List four types of spanners that are commonly used in automotive workshops?

Q17 What is the main difference between imperial and metric measurements?

Q18 What is an Allen Key?

Q19 Which measuring tool can be used to measure the amount of pressure in an enclosed cylinder?

Q20 List three common file blade shapes.

Q21 What is a thread file?



Q22 In an automotive context what is meant by the term tap?

Q23 List three common types of pullers.

Q24 Which workshop equipment item is used to recover refrigerant from vehicles?

Q25 What is a steam cleaner used for?

Q26 Name the two gases commonly used when gas welding.

Q27 What is the purpose of a tunescope?

Q28 What is a monsoon shield?

Q29 Why are gaskets used in the automotive industry?

Q30 Why are mud flaps fitted to vehicles?

Q31 Why are creepers used in most workshops?