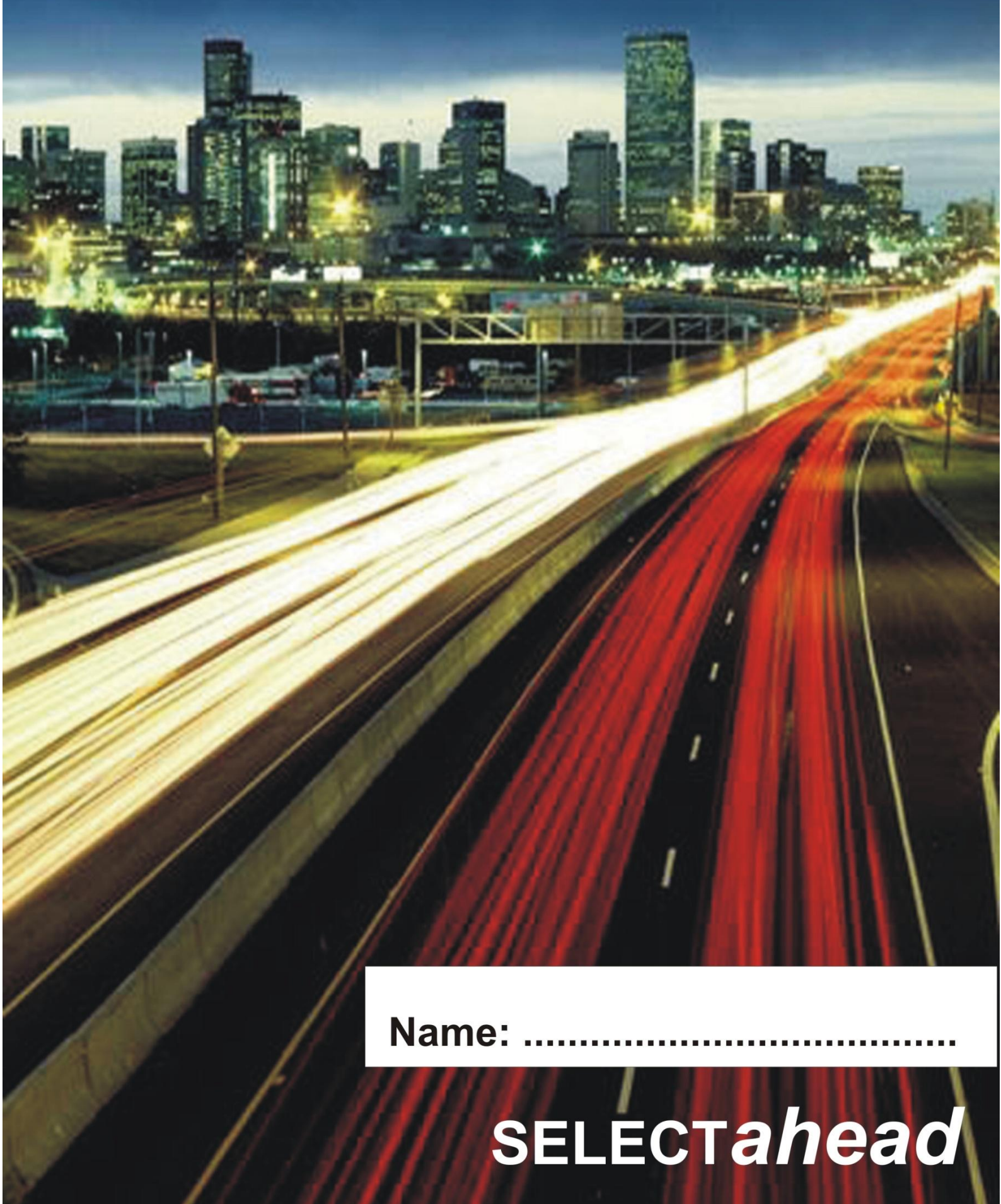


# LIGHT VEHICLE MAINTENANCE & REPAIR HEALTH and SAFETY WORKBOOK



Name: .....

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## Automotive Health & Safety Workbook Extract

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**Detailed below is a summary of the Health and Safety at Work Act but with a number of words missing. Can you select the correct word(s) from the table below and insert them into each gap?**

The Health and Safety at Work Act applies to all ..... activities. It requires employers to ensure so far as is reasonably practicable the health, safety and ..... of all employees at work. The act also covers other people at work and members of the ..... who may be affected by their work activities. The act covers everyone including company directors, management, employees ..... in matters of health and safety.

Employers should have a health and safety ..... and if they employ ..... or more people, the policy must be in.....

Employers must provide safe ..... of work and safe ..... of work and they must ..... with employees, or their appointed representatives, on matters of health and safety affecting employees. The act also requires of employers to ..... the release of noxious or offensive..... into the.....

Employees must..... with their employer on health and safety matters and not do anything that puts them or others at..... . Employees should be ..... and clearly ..... in their duties.

HSE ..... have power to enter ..... to ensure that work is being done safely and to investigate..... and..... They also have the power to..... work if it is ..... and to take people to ..... where an offence has been committed.

Missing Words					
1	policy	8	work	15	welfare
2	instructed	9	inspectors	16	workplaces
3	systems	10	consult	17	control
4	stop	11	dangerous	18	risk
5	atmosphere	12	co-operate	19	trained
6	complaints	13	court	20	accidents
7	public	14	five	21	writing
22	self-employed people	23	places	24	substances

**Tip: Cross each word out when used**

## Automotive Health & Safety Workbook Extract

### Case Study Group Discussion 1

Discuss this as a group and answer the two questions below

A Suffolk truck dealership has been fined after an incident in which a technician was trapped when the cab of a lorry fell on him, causing him to be off work for six weeks. The technician from Ipswich was carrying out a routine vehicle check when an inbuilt strut holding up the cab gave way. As a result of the accident the technician suffered two broken ribs and was trapped underneath the lorry for ten minutes. An additional metal prop which should have been in place to prevent the cab from falling was not used.

#### Discussion Points

- |   |   |
|---|---|
| 1 | Why was the truck dealership fined?   |
| 2 | What measures could be used to prevent this type of accident happening again? |

Your Answers:

## Automotive Health & Safety Workbook Extract

Pictured below are a number of new COSHH label signs which are listed in Table A. Identify the sign and place the correct letter in the space provided in Table A for each sign.

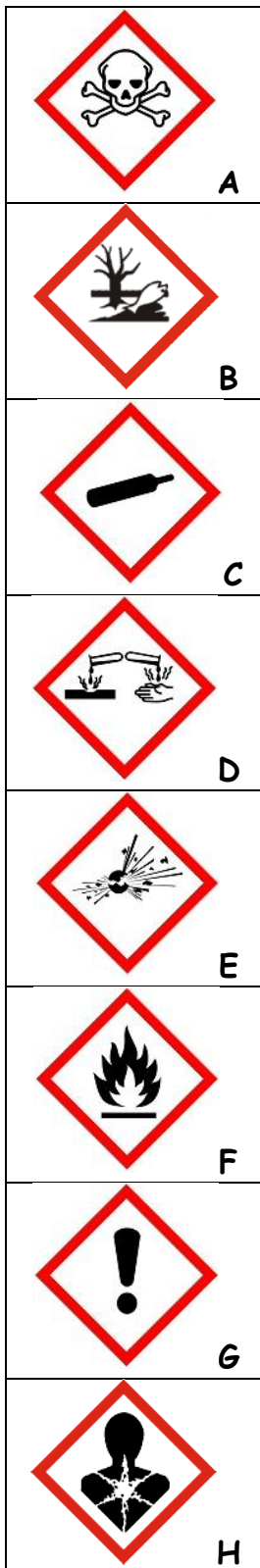
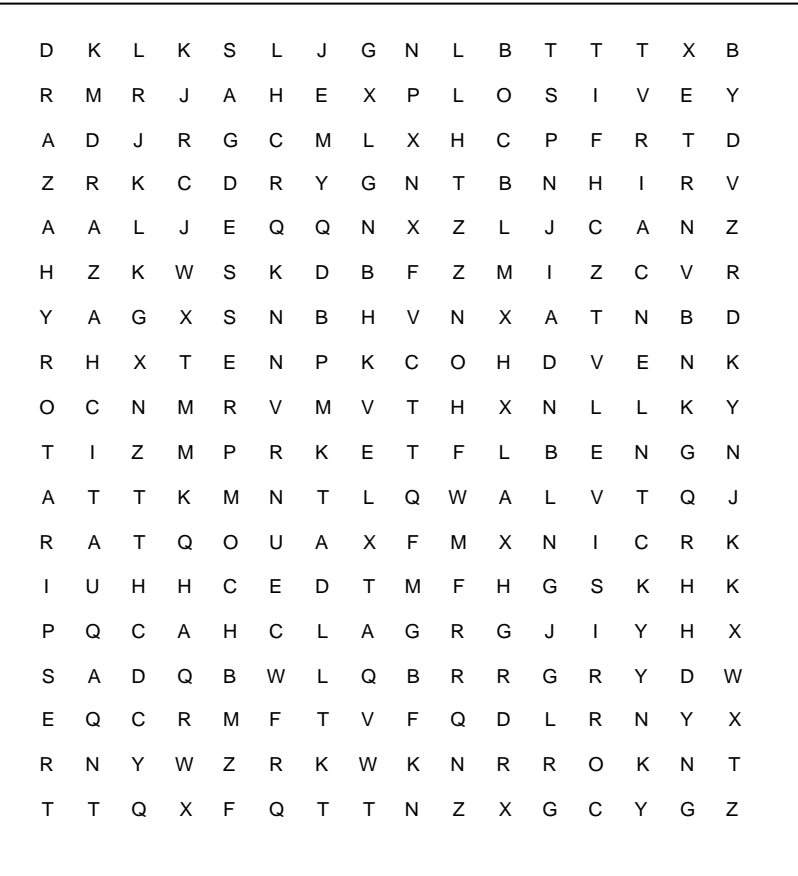


Table A			
	Compressed Gas Sign		Aquatic Hazard Sign
	Acute Toxicity Sign		Corrosive Sign
	Explosive Sign		Flammable Sign
	Health Hazard Sign		Respiratory Hazard Sign

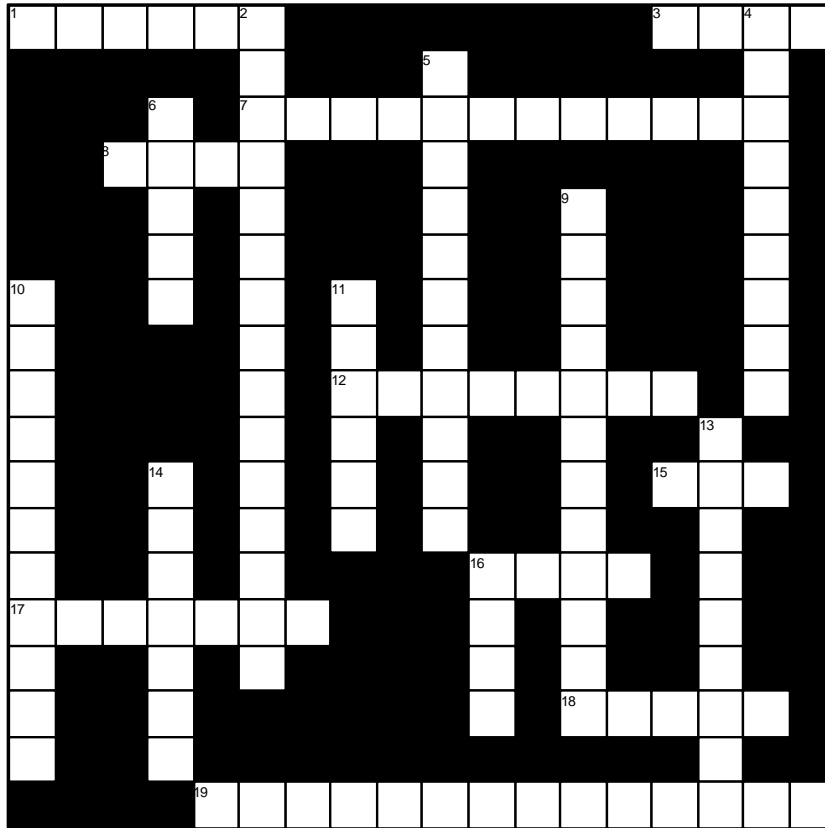
The second task is to locate the sign in the word search below. The words have been printed across (backwards or forwards), or up and down, or diagonally, but always in a straight line.  
**Can you find them?**



**Tip:** Cross the words out as you find them.

## Automotive Health & Safety Workbook Extract

This crossword is about the Lifting of Vehicles but can you solve the clues?



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Across		Down	
1	Used to prevent wheels turning when lifting	2	This should be marked on all lifting equipment and concerns weight (3 words)
3	Trolley jacks need to be checked every ..... ?	4	Should be placed under a vehicle before work starts underneath (2 words)
7	Type of ground that is ideal for using lifting or supporting equipment (3 words)	5	All lifting equipment will require this to keep it in good safe working order
8	Type of sling used when lifting engines that can be easily damaged, and should be checked before use	6	Initials of the regulation that covers all lifting equipment
12	You should only use lifting equipment if you have received this at college or from your employer	9	Places under a vehicle that should be used to lift a vehicle (2 words)
15	PPE that guards you against displaced dust, rust and other falling debris	10	A means of lifting wheel free from the bed of a ramp (2 words)
16	Used to support a heavy vehicle cab when lifted and prevent it falling back	11	Type of jack that is small, has a single piston and moves up and down vertically
17	PPE that should be worn when there is a risk of contact with vehicle overhead	13	Type of fluid used in lifting equipment
18	These, together with replaced parts, should be removed from the bed of a ramp before lowering	14	Type of vehicle lift (2 words)
19	The load of a vehicle on a wheel free lift needs to be this after considering the centre of gravity of the vehicle (2 words)	16	Common in heavy vehicle workshops for working underneath a vehicle but should be covered when not in use

## Automotive Health & Safety Workbook Extract

Listed below are eight questions about Electricity at Work. Each question has the choice of three answers but can you select the correct answer?

Question		Answer A	Answer B	Answer C
1	What voltage is used in a typical domestic supply?	415 volts	230 volts	110 volts
2	Which of the material listed is a good conductor of electricity?	Rubber	Copper	Wood
3	Which component provides circuit protection?	Fuse	Earth Connection	Transformer
4	Where within a workshop would you find a source of DC electrical energy?	There are no sources of DC energy all are AC	Domestic Supply to 13 amp Sockets	Vehicle Batteries
5	Which component without moving parts is used to change the value of alternating current?	Fuse	Transformer	3 Pin Plug
6	Which of the material listed is a good insulator of electricity?	Rubber	Copper	Wood
7	What is the function of an RCD (Residual Current Device)?	To protect the equipment	To protect the electrical installation	To protect the user from severe electric shock
8	On a three pin plug, why is the earth pin the longest one?	It turns the socket on	The appliance will not work without an earth	So that the appliance is earthed before being made live