



STEPHENSON
STEAM
RAILWAY
NORTH TYNESIDE

TRAIN PARTS WORDSEARCH

N R Y C U E A N C H N E C B N
K S S M L N E C I N R T B R P
U O S D E O E O B S E A B X D
E E I M D E O F O D K N C M H
N W H E E L S X O B E K O M S
B B M Y R P O E M O D S K L I
U Y E N M I H C Y L I N D E R
F G G D E S N R I B I C F O O
F S Y E K T T E N Y I A Y E V
E K L L U O D I I D C E U N D
R L D A N N E O S V C S S E H
S O O B C S T A N I I I D R I
E C O N N E C T I N G R O D R
E E E S H O P U N N R N D E N
E B A C S R E V I R D E R O S

SMOKEBOX
DRIVERS CAB
CONNECTING ROD

CHIMNEY
BUFFERS
WHEELS

DOME
CYLINDER

TANK
PISTONS

Parts of a Train – Can you match the part to the description?



Cylinder	The part of the train where the driver and fireman stands	These are powered by the pistons and support the train on the tracks. When they rotate, the train moves forward.
Cab		
Chimney	This is where the water is stored before it passes into the boiler to make steam.	Responsible for collecting smoke by-products from burned coal and releases it through a chimney into the atmosphere.
Connecting rod		
Pistons		Round and smooth tube which contains the piston.
Buffers	Where the smoke (which is created when water is boiled in the boiler) leaves from.	Round disk which fits perfectly and slides in the cylinder. Steam pushes on this to turn the wheels by using the connecting rod and crank.
Wheels		Fitted at the end of trains. When trains are joined together or to carriages, this stops them from crashing into each other.
Tank		
Smokebox	This is an important safety feature on a steam engine. It contains the opening to the main steam pipe, which must be kept as far away from the water in the boiler as possible. If water gets into the cylinders, it can cause the pistons to stop working.	
Dome		Connects the piston to the crank to turn the wheels.