



HOW THE MODEL T (TIN LIZZIE) WORKED

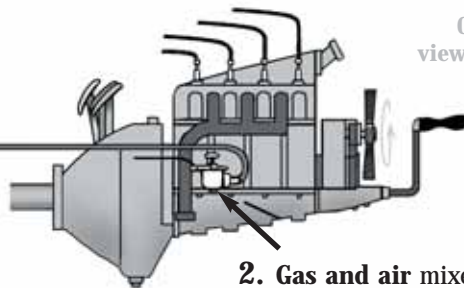
The information and diagram below will help you better understand how the Model T worked. After reading, complete the statements below.



“This activity is a GAS!”



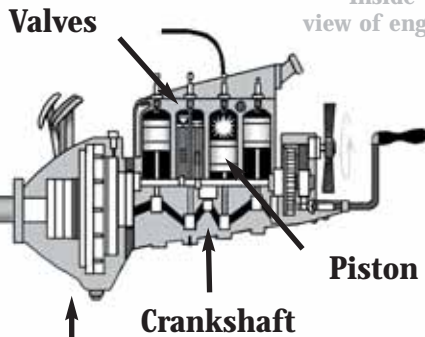
1. Gas moved by gravity to the carburetor



Outside view of engine

2. Gas and air mixed in the carburetor.

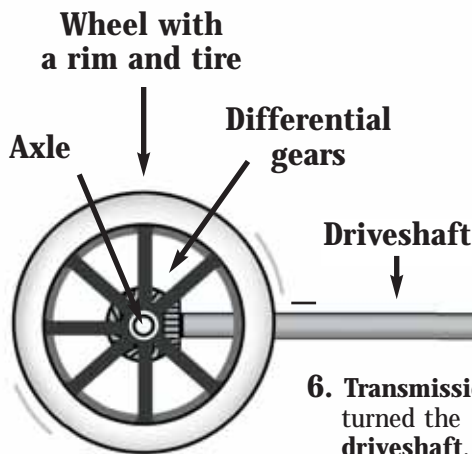
3. Gas and air moved into the cylinder chamber through valves.



Inside view of engine

4. Turning the crank made an electrical spark that ignited the gas, forcing the piston downward, starting the engine.

5. The downward piston motion turned the crankshaft, spinning the gears in the transmission.



Wheel with a rim and tire

Differential gears

Axle

Driveshaft

6. Transmission turned the driveshaft.

7. Driveshaft spun the gears in the differential, which turned the rear axle and made the wheels go around.

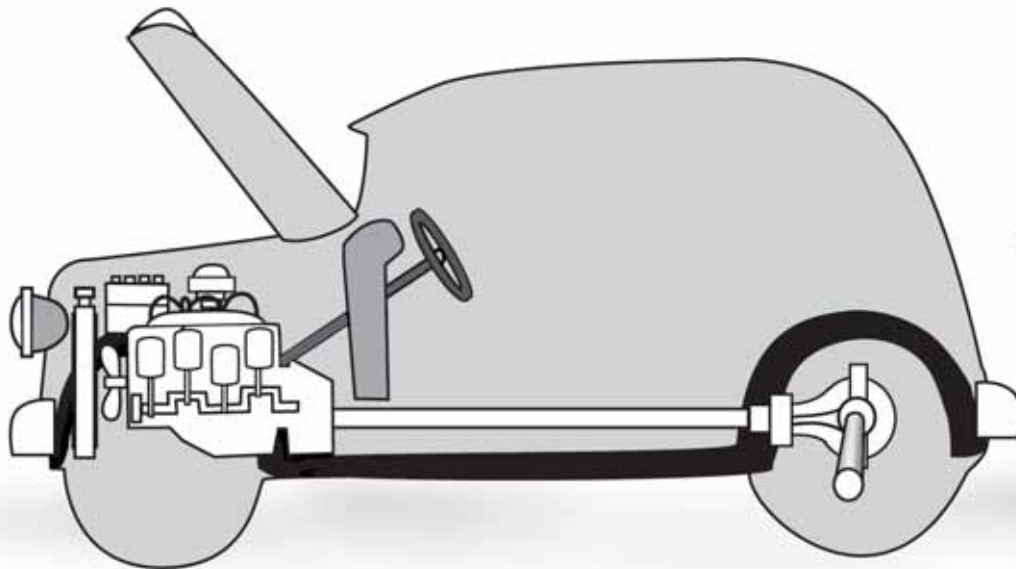
Transmission gears

- _____ helped move the gas to the carburetor.
- _____ and _____ are mixed in the carburetor.
- Gas and air moved into the _____ chamber through valves.
- An electrical spark ignited the gas forcing the _____ downward.
- The downward piston motion turned the _____, spinning the _____ in the transmission.
- The _____ turned the driveshaft.
- The driveshaft spun the gears in the _____ which turned the rear _____ and made the _____ go around.





WHAT DO YOU KNOW?



Can you answer the questions about today's cars and fill in the boxes using the words below?

1. What carries fuel from the gas tank to the engine? (A)
2. What causes the fuel to ignite? (B)
3. What cools the water? (C)
4. What covers the engine? (D)
5. What holds the water? (E)
6. Where is the fuel stored? (F)
7. What moves up and down to move the crankshaft? (G)
8. What turns the drive wheels? (H)

axle fan fuel line gas tank
 hood pistons radiator spark plug

