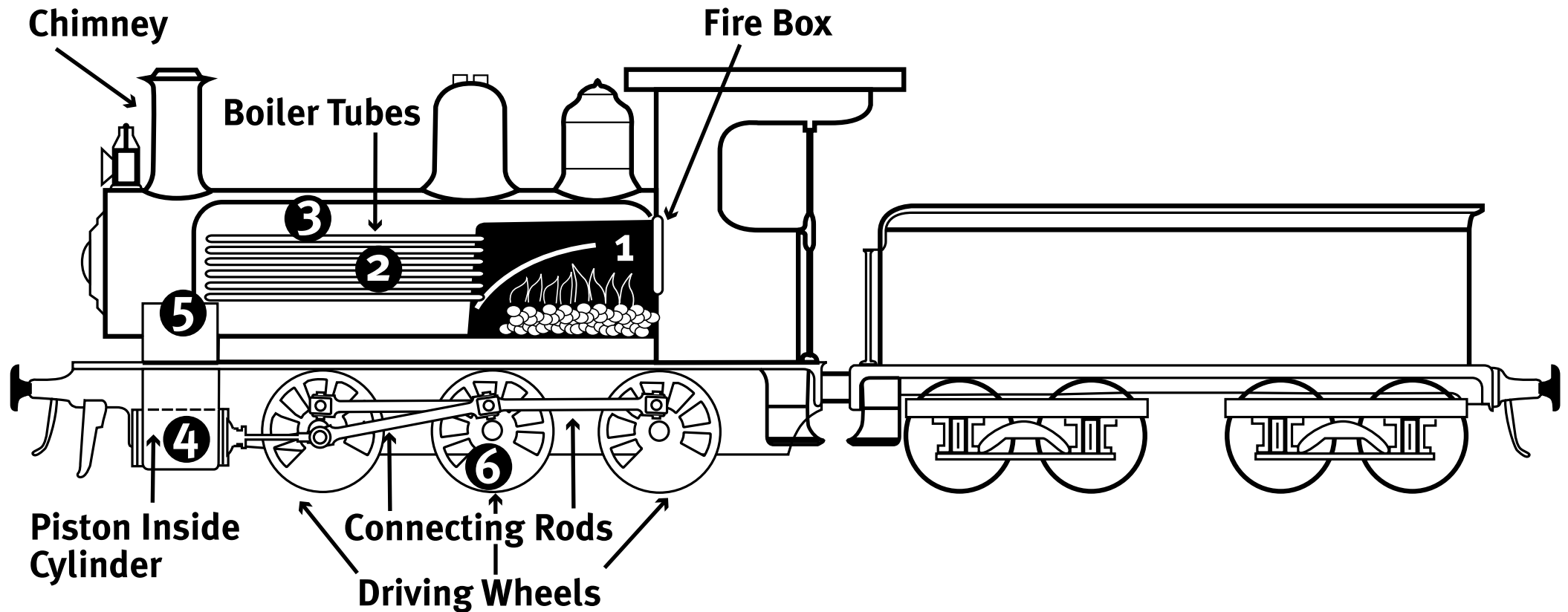


Steam Locomotive



1. Fuel (usually coal) is burned in the firebox to make hot gases.
2. The gases pass through boiler tubes that run the length of the water filled boiler.
3. This heats the surrounding water and turns it into steam.
4. The steam passes into cylinders that hold a piston. The steam pushes the piston along.
5. The steam then escapes through a one way opening (valve) and the piston can slide back again.
6. The pistons are connected to the driving wheels with rods. As the piston moves back and forth, it moves the rods which then make the wheels turn.