





Print, laminate and cut. Students to match descriptions with photos

<p>The differential mechanism divides the torque between the driving wheels and provides for a necessary difference in wheel speed when not travelling in a straight line.</p>	
<p>The housing encloses the differential components and provides mountings for bearings to support the differential mechanism, the driving axles and also suspension components.</p>	
<p>The crown wheel is a large bevel circular gear, which is attached to the differential carrier. The crown wheel meshes with the pinion gear.</p>	
<p>The differential carrier is a steel unit to which the crown wheel gear is attached. The carrier drives the spider gears and side gears and forms an inner bearing surface for the axles and side gears.</p>	
<p>The axle shafts have external splines machined onto its inner end to locate with the side gears and to carry the drive to the rear wheels. The outer end of the axle shaft is supported by wheel bearings and has a flange with wheel studs to which the road wheels are mounted.</p>	