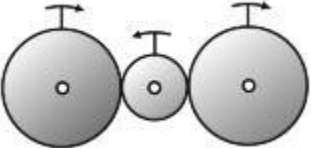
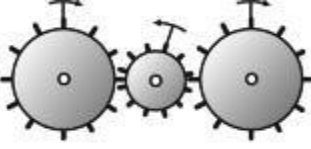
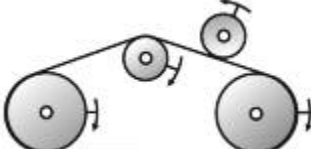
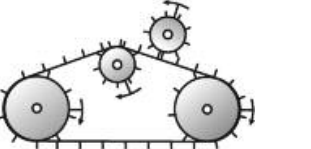
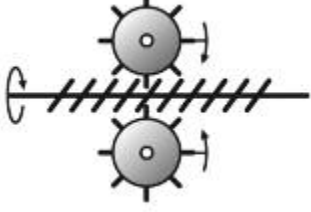


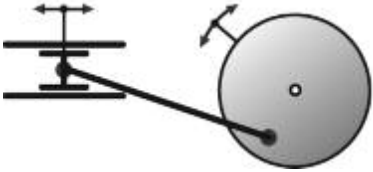
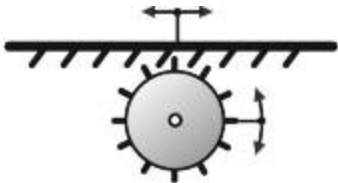
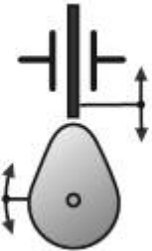

MOTION TRANSMISSION

In a motion transmission system, motion is relayed from one part to another without changing the nature of the motion.

Motion Transmission System	Representation	Function Components
A friction gear system		One or more wheels without teeth roll together.
A simple gear system		Two or more gears come into contact; they mesh.
A pulley and belt system		A belt slides on two or more wheels, which are referred to as pulleys.
A chain and sprocket system		Has two or more sprockets that do not touch, plus a chain
Worm and worm gear system		Has a worm and a worm gear. The teeth of the worm slide into the groove of the worm gear thread.

MOTION TRANSFORMATION

A motion transformation system transfers the nature of a motion as it is relayed from one part to another.

Motion Transformation System	Representation	Function Components
A slider-crank system		<p>The motion of the crank is transmitted to the connecting rod, which transforms it into a translational motion before transmitting it to another part.</p>
A rack and pinion system		<p>Has a straight rod with teeth called a rack, and a gear called a pinion. The motion is transformed by the meshing of the teeth.</p>
A cam and follower system		<p>An irregularly shaped disk and a rod called a follower. When the cam turns, the follower makes a reciprocating translational motion (it goes up, then down).</p>
A screw gear system Type 1		<p>In some systems, the nut is the driver and the screw transforms its rotational motion into translational motion. In others, the screw is the driver.</p>

