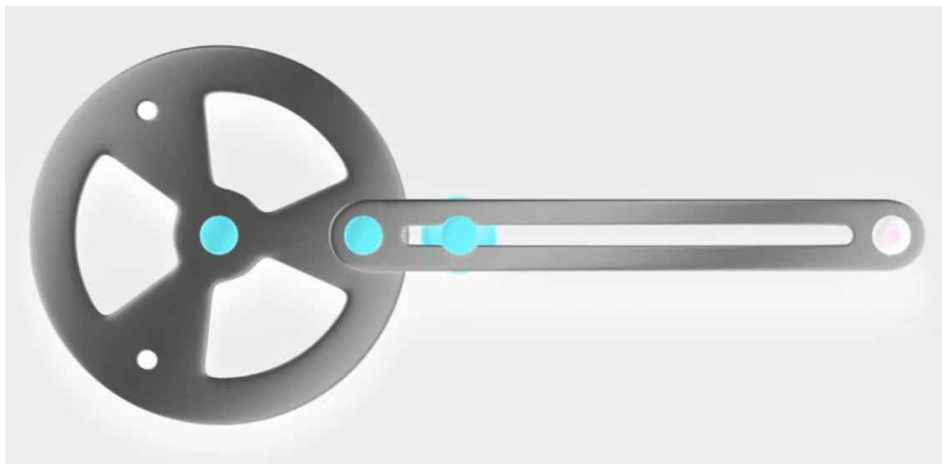
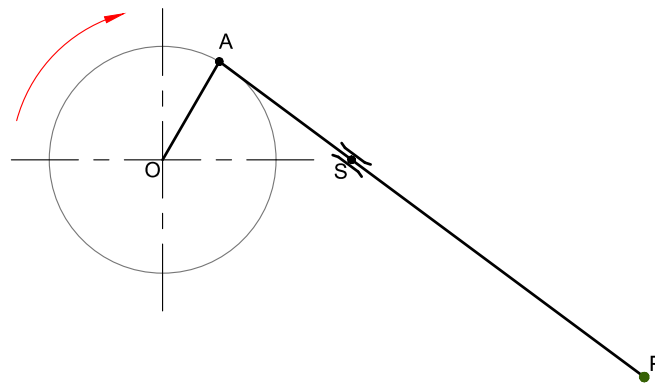


Crank and slider mechanism.

This mechanism is made up of the following components:

- a) one crank OA;
- b) one linkage AP;
- c) one pivot slider S.

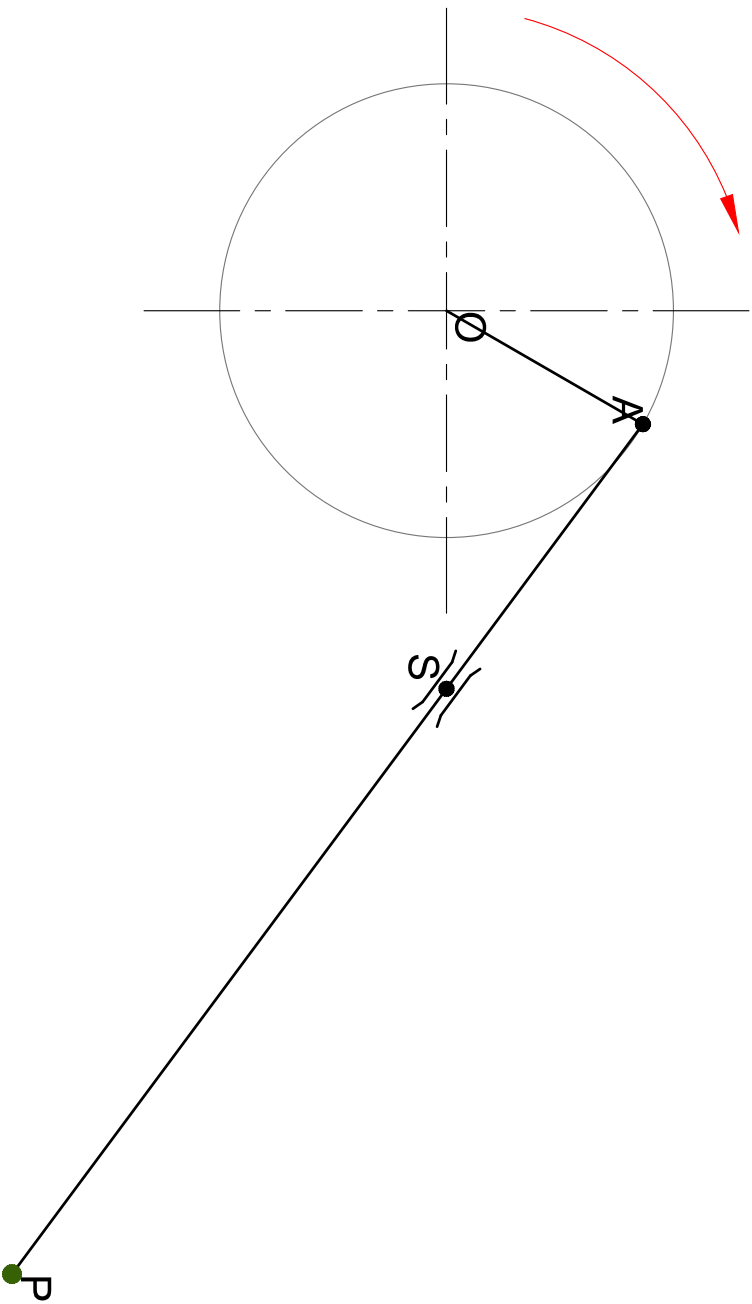
Plot the locus of point P.



To help you visualize the mechanical motion better you can visit:
<https://youtu.be/IXmhSZmVVew> for a video of the locus of this mechanism.

Loci exercise crank and slider - STARTER SHEET

The diagram shows a crank mechanism OA which rotates around centre O. Rod AP is connected to the crank OA at A. Rod AP slides through a pivot slider at S. Find the locus of the endpoint 'P' on the rod as crank OA makes one whole revolution.



Loci exercise crank and slider - ANSWER

The diagram shows a crank mechanism OA which rotates around centre O. Rod AP is connected to the crank OA at A. Rod AP slides through a pivot slider at S. Find the locus of the endpoint 'P' on the rod as crank OA makes one whole revolution.

