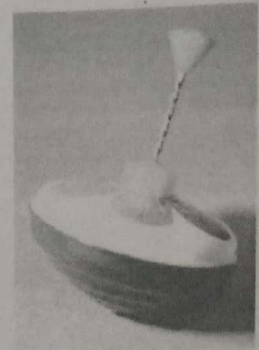


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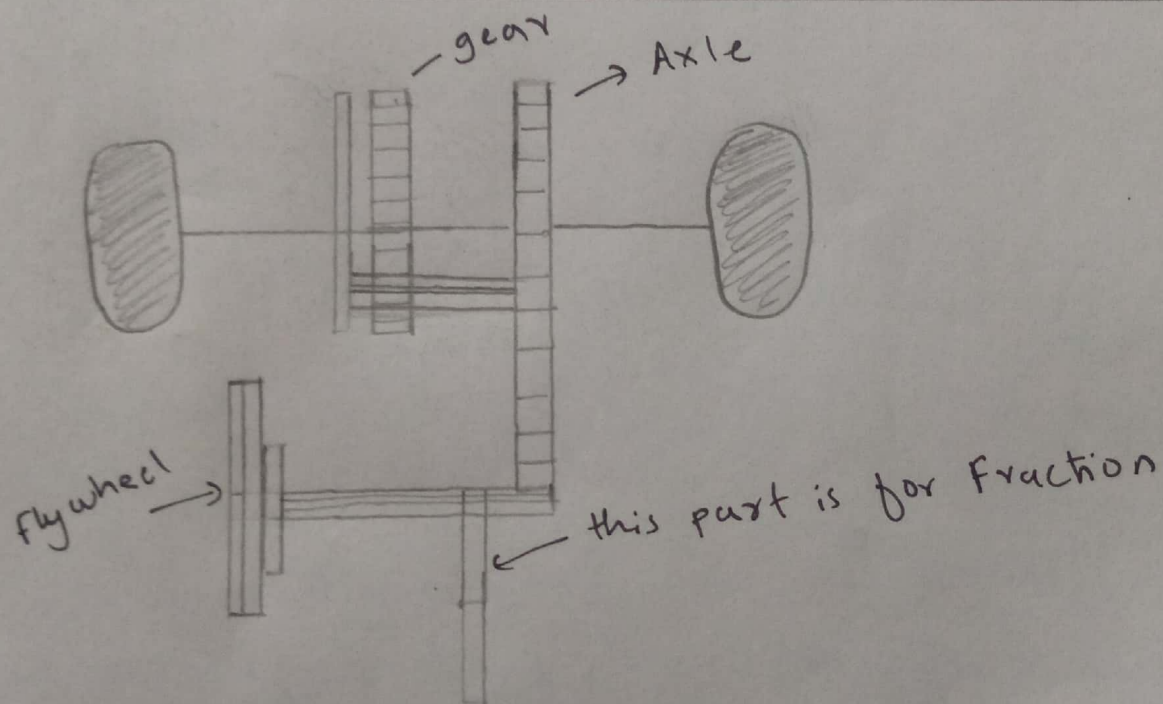
Engineering in Reverse! Activity – Engineering in Reverse Worksheet

In the box below, complete a *detailed* drawing of the internal components (i.e., the inside mechanisms) in the push-toy before it has been disassembled.
Your drawing should include:

- Label for all parts
- Brief description of each part's function(s)



BEFORE Disassembly



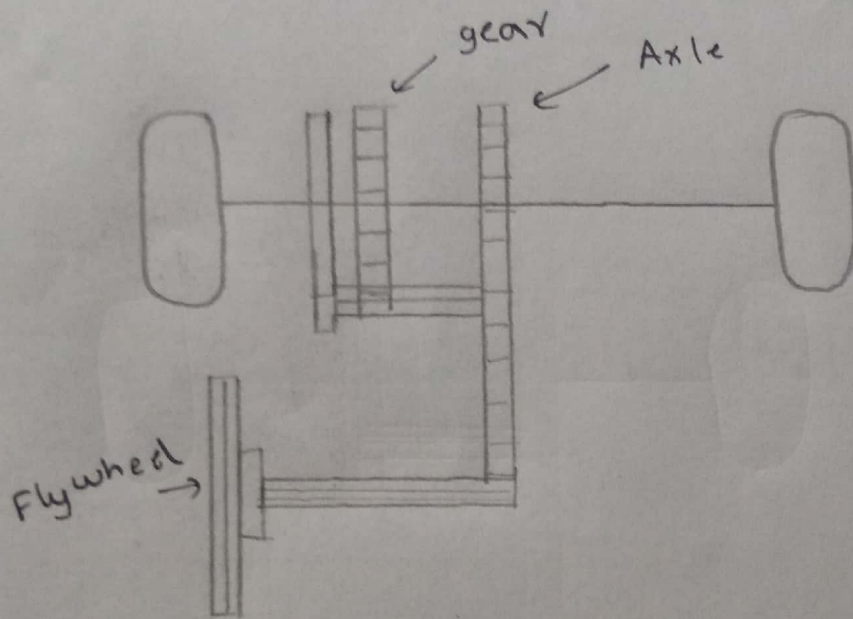
When you push the car the fly wheel take energy and transfer it in Axle and Axle help gear to rotate wheel. That's how car move forward. and the friction part use to make sound when car move.

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In the box below, complete a *detailed* drawing of the internal components of the push-toy after it has been disassembled. Your drawing should include:

- Label for all parts
- Brief description of each part's function(s)

AFTER Disassembly



Now, after removing the part. the car now don't make any sound and run faster, because that part is making a friction and that's why sound is coming. Now that part is removed, the car now moves with less friction.

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After you have completed your drawing, answer the following questions.

- 1) What does this device do? What parts make it work this way?

The car has some part that's help it to move like axle, gear and flywheel. these parts are essential to move a car. these parts reside in between the wheel. these parts help car to make friction to run smoothly.

- 2) How would you improve the way this device is made?

I can remove a part to improve this device that is ~~breaks~~ breaking a friction. so that's why car stop in some time after you push. by removing the part the car will run with less friction and for some more time.

- 3) How could you change this device to make it more cost effective to produce?

By removing some extra parts in car that is taking cost. by removing we can produce some cost effective toy car with more speed and less costly to produce.

- 4) Can you redesign this device to make it function differently? How would you do this?

Yes, by redesign we can make car to run remotely. like electronic toy-car's that has remote access to run car. by adding some parts. it will work differently. Now it will have more function or features.