UOI Study Guide: How We Organize Ourselves

**Forces**

|  |  |
| --- | --- |
| **Push** | **Pull** |
| Moves object forward  http://thegraphicsfairy.com/wp-content/uploads/blogger/-os-Uid2Gpxw/T8t4FGcrNPI/AAAAAAAASF8/XdpZMyL5xMo/s1600/Lawn-Mower-Vintage-GraphicsFairy.jpghttp://www.clker.com/cliparts/0/9/W/s/f/s/push-hi.png http://clipart-finder.com/data/preview/87-push_button_grey.png | Brings object back  https://livingsublimewellness.files.wordpress.com/2011/08/03b-rope-pulling-t11621.jpg http://us.cdn1.123rf.com/168nwm/theblackrhino/theblackrhino1503/theblackrhino150300030/37263467-outline-cartoon-of-hand-unzipping-zipper-over-white.jpg http://cdn.toonvectors.com/images/35/27220/toonvectors-27220-460.jpg |

**Simple Machines**

|  |  |  |
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| **Lever** | **Screw** | **Pulley** |
| Lifts loads  http://etc.usf.edu/clipart/35900/35944/lever_35944_lg.gif | Holds things together  http://cf.ydcdn.net/1.0.1.30/images/main/screw.jpg | Lifts or lowers loads  http://etc.usf.edu/clipart/35700/35786/pulley_35786_md.gif |
| **Wheel and Axle** | **Wedge** | **Inclined Plane** |
| Moves loads  http://www.goldridge08.com/pictures/simple/WheelAndAxle2.gif | Cuts material apart  http://cang.iics-k12.com/files/2013/11/wedge_rev.gif | Connects lower level to higher level.  http://classconnection.s3.amazonaws.com/408/flashcards/1570408/png/inclined_plane_(psf)-13EC88D4B743616E085.png |