



YOUR TASK

You and a friend are shipwrecked on an inhabited tropical island in the Pacific Ocean. Your task is to design and draw detailed labelled diagrams of 2 gadgets that you can make on your island. Each gadget must include one or more of the following simple machines.

TYPES OF SIMPLE MACHINES

- ◆ Lever (e.g. hammer, seesaw)
- ◆ Inclined Plane (e.g. ramp, wedge)
- ◆ Wheel and Axle (e.g. door knob)
- ◆ Pulley (e.g. block and tackle)

TYPES OF LEVERS

- ◆ First Order Lever (EFL)
(e.g. scissors, pliers, hammer pulling out nail)
- ◆ Second Order Lever (FLE)
(e.g. wheel barrow , bottle opener, nutcracker)
- ◆ Third Order Lever (FEL)
(e.g. shovel, tongs, fishing rod)