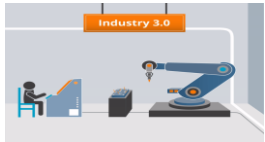

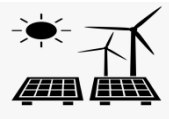


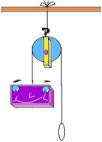






Can you complete the following information about these objects and devices?

OBJECT	Is it necessary?	How is it manufactured? 	What kind of energy does it use? 	Where does that energy come from? 	What did your grandparents or great-grandparents use instead? 
DRILL	No	At factories by robots ( machines) and workers	Electric	<p>Most of the electricity we consume in our area ( home, factories, shops...) comes from nuclear power, 31.37%.The second most used energy is coal at 20.9%. Next is natural gas at 16.2 %.</p> <p>The fourth electric energy we consume comes from cogeneration and we use 13.2%, following with renewable energy at 12.7%. Fuel is the sixth source of energy at 3.8%. To finish with, other energy category takes 1.8%.</p> <p>That means that out of the total energy we consume 87.3% is polluting energy and only 12.7% is clean energy.</p>	-Iron stick and hammer -pick axe -screwdriver -hand drill 
CRANE	YES	At factories by robots ( machines) and workers	Chemical- electric		-Pulley system -ropes 
ROBOTS	NO	At factories by robots ( machines) and workers	Mechanic- Electric		-human workers - their hands
HEAD SET	NO	At factories by robots ( machines) and workers	Electric/ battery		-nothing
AUTOMATIC DOORS	NO	At factories by robots ( machines) and workers	Mechanic- Electric		-normal doors
CALCULATOR	NO	At factories by robots ( machines) and workers	Battery/ solar/ light		-their minds, a piece of paper and a pencil.
GPS	NO	At factories by robots ( machines) and workers	Electric		-maps -signs -word of mouth
ESCALATOR	NO	At factories by robots ( machines) and workers	Mechanic- Electric		-stairs
CAR	NO?	At factories by robots ( machines) and workers	Out of the 49 cars in our class, most use diesel at 75.5% ( 37cars). The next most used energy source is gas at 20.4% ( 10 cars) and to finish with only 2 cars use electricity .	Chemical: Fossil fuel from underground rock.	-Bike -feet -horse -carriages 
VACUUM CLEANER	NO	At factories by robots ( machines) and workers	Electric		-brooms 
HEATER	YES	At factories by robots ( machines) and workers	There are 32 heaters in our houses. One type of energy we use for home heaters is gas at 59.3%. The next most used energy source is wood or biomass at 21.9%following with electricity at 12.5%	Biomass: Plant or animal material used for energy production: wood waste, agricultural waste...( pellet, olive seeds...)	-fire place -firewood stoves 

ALARM CLOCK	NO	At factories by robots ( machines) and workers	Battery		-rooster 
OVEN	YES?	At factories by robots ( machines) and workers	Out of the 23 ovens in our houses ( we are 19 students in the class), the most used oven is the electric one, at 78.2%. The second most used is gas at 13%, and the last uses wood at 8.6%	Biomass: Plant or animal material used for energy production: wood waste, agricultural waste...( pellet, olive seeds...)	-fire place -fire -stone oven
REFRIGERATOR	YES	At factories by robots ( machines) and workers	Electric		-holes filled with snow and salt. 