



SOLUTION TABLE SECTION 1

Area	Used in / as...
Medicine	Trace element; disinfection - absolute barrier effect against bacteria.
Arts and Crafts	Etchings, copper engravings, jewellery & cutlery
Banks	Means of payment, coins
Construction, functional material	Copper roofs, copper profiles in facade elements, rain gutters, copper nails
Lightweight	Cu has high specific strength. In press sleeves, contact carriers, component connection legs
E-vehicle construction, aerospace	For aircraft, rockets, cars and trains: the low mass of Al combined with stability saves fuel
Thermal conductor	Heating and sanitary equipment, cookware, heat exchangers, heat sinks
Electrical conductor	Cu has the second highest electrical conductivity of all metals after silver and even before gold.
	Traces on printed circuit boards and integrated circuits, electric lines, overhead lines, wire windings in transformers, chokes/coils and electric motors
Metrology	Copper has a high reflectivity in the infrared range and is therefore used as a mirror for carbon dioxide laser beams and for glass coating (insulating glass).