

PROPERTIES OF METALS & NON METALS

PROPERTIES

METALS

NON - METALS

Appearance
What it looks like

Shiny stainless steel pot



Dull car tyre



Hardness
Quality and strength



Very hard steel bridge

Brittle drinking glass

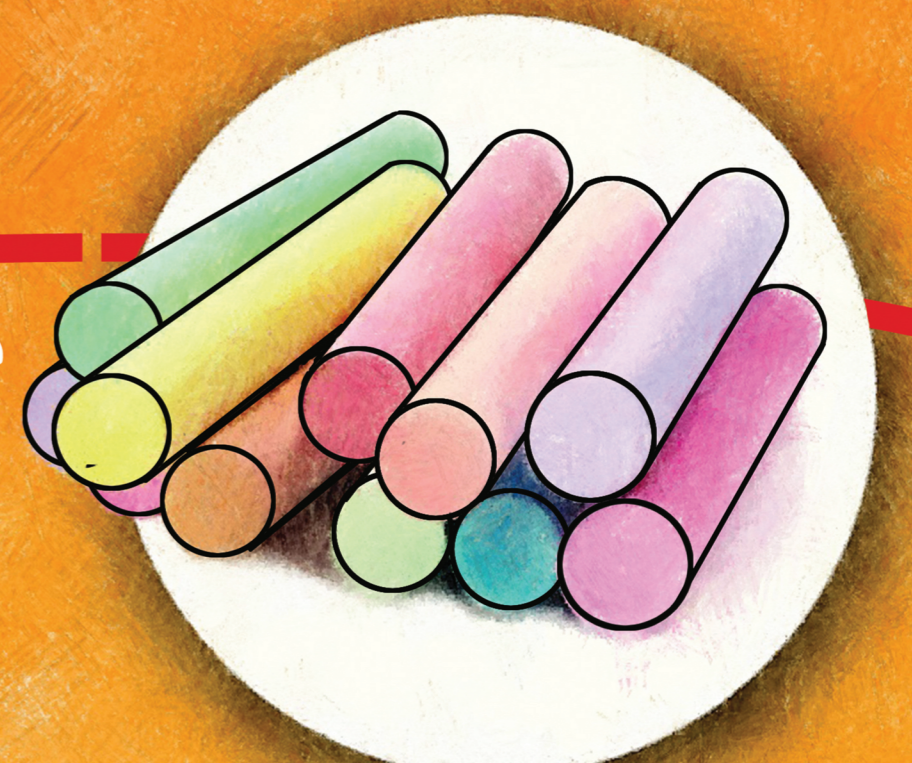


Malleability
Ability to be hammered without breaking or cracking

Malleable horse shoe



Non-malleable chalk



Ductility
Ability to change shape without losing toughness or breaking



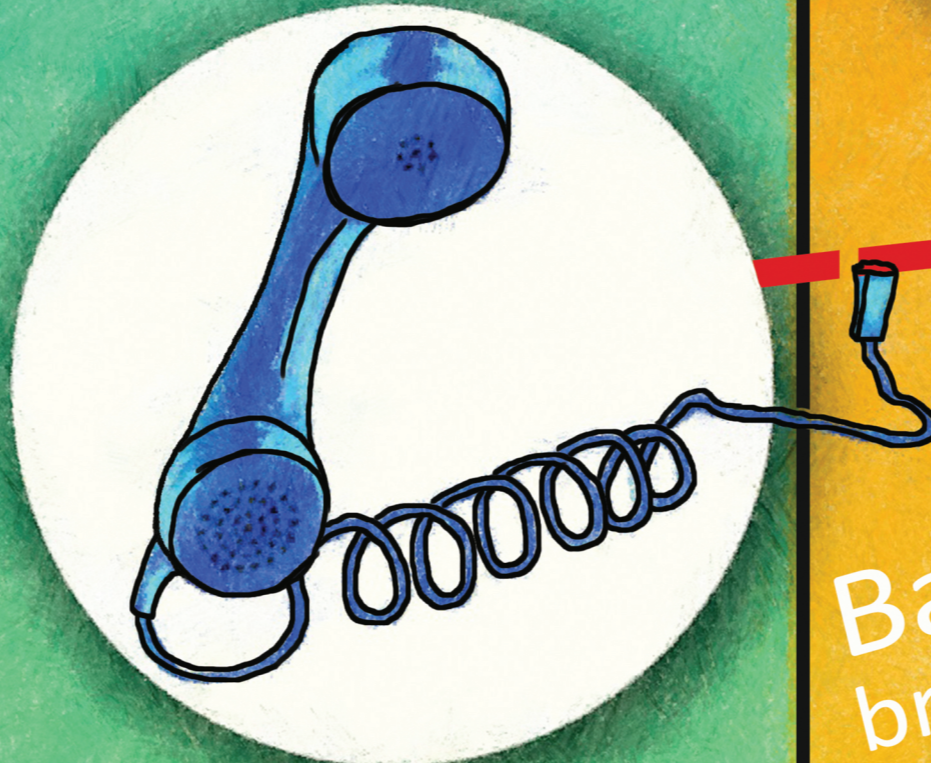
gold and silver earrings

Non-ductile plastic ruler

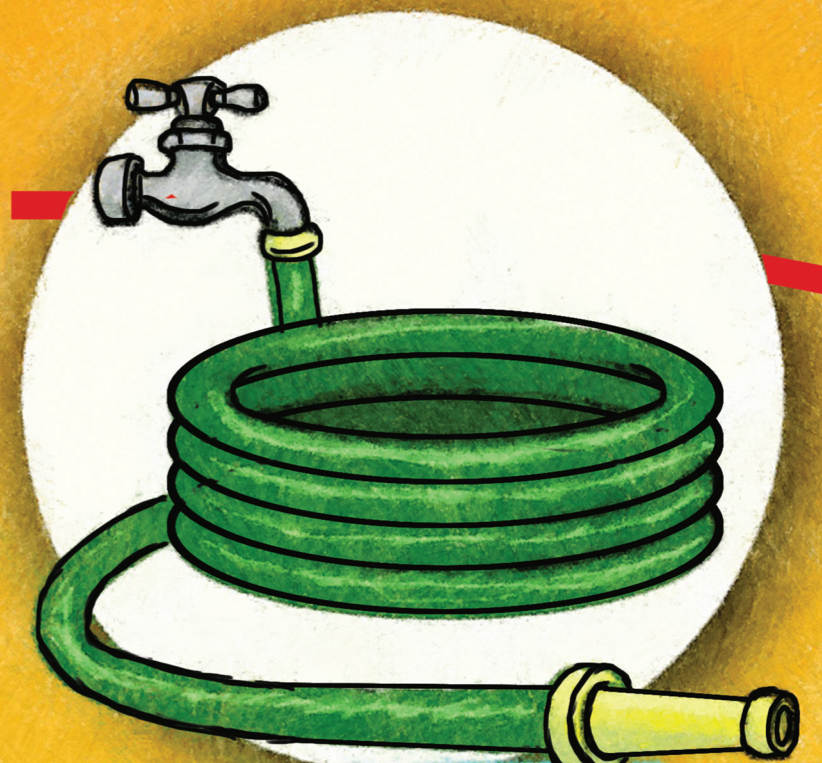


Heat conduction
Ability to carry heat

Good conductor telephone wires

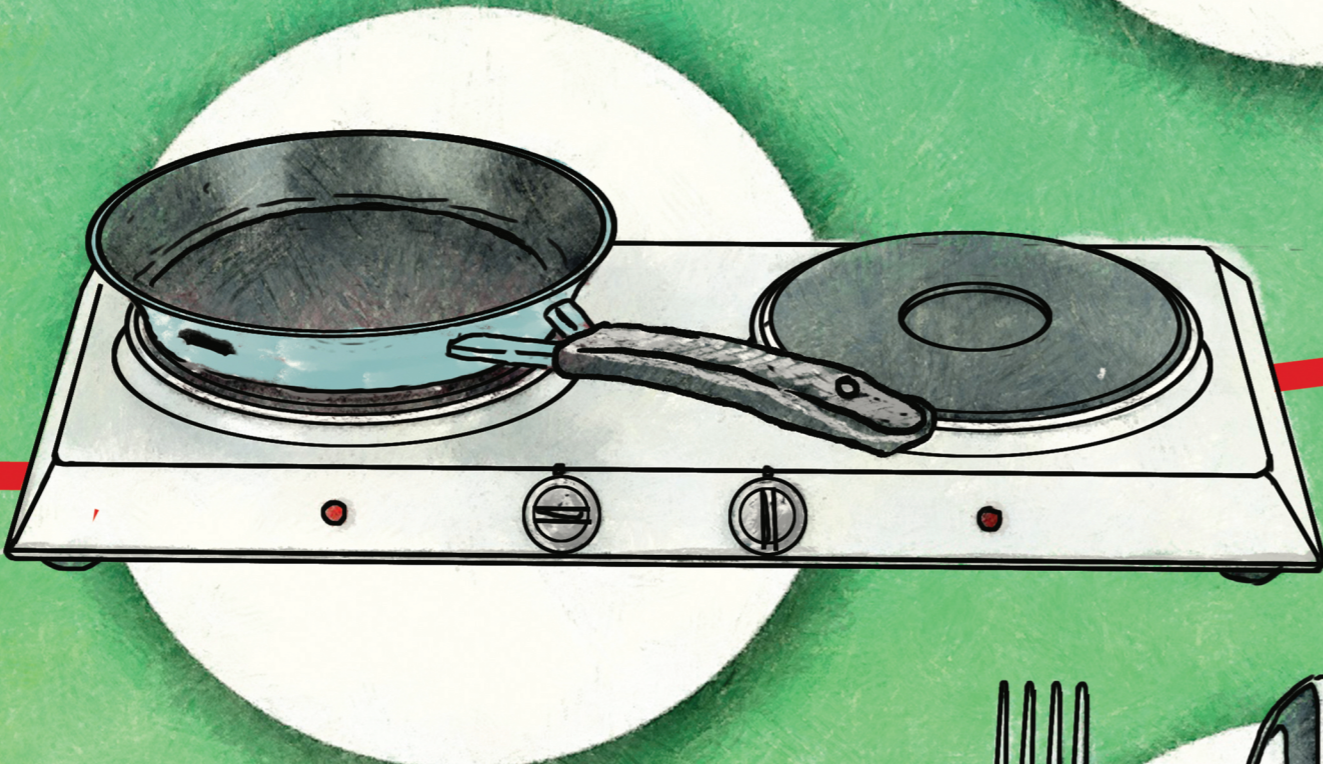


Bad conductor hose pipe

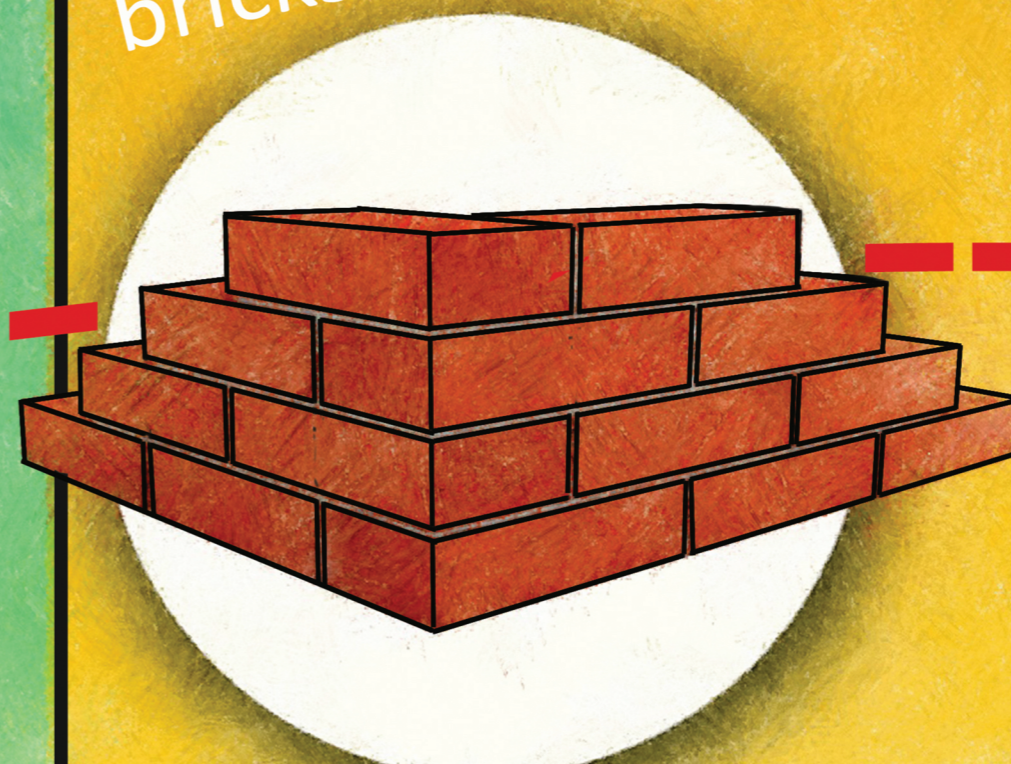


Electricity conduction
Ability to carry electricity

Good conductor metal stove plates



Bad conductor bricks



State
Physical condition

Solid knife, fork and spoon

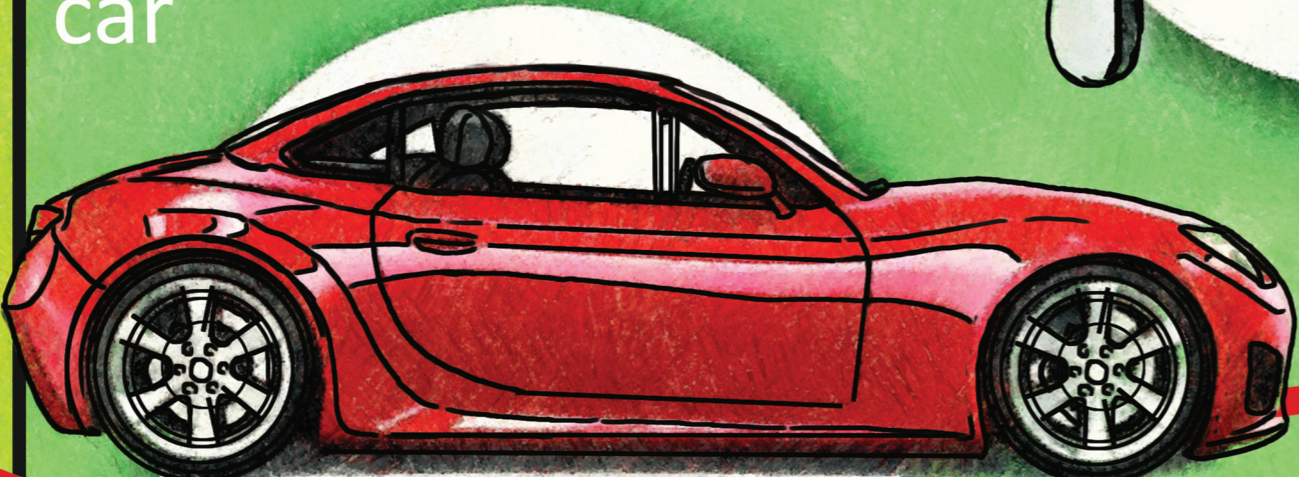


Lower density wooden stool



Density
How compact, tight or thick it is

Higher density car



Solid, liquid, gas milk