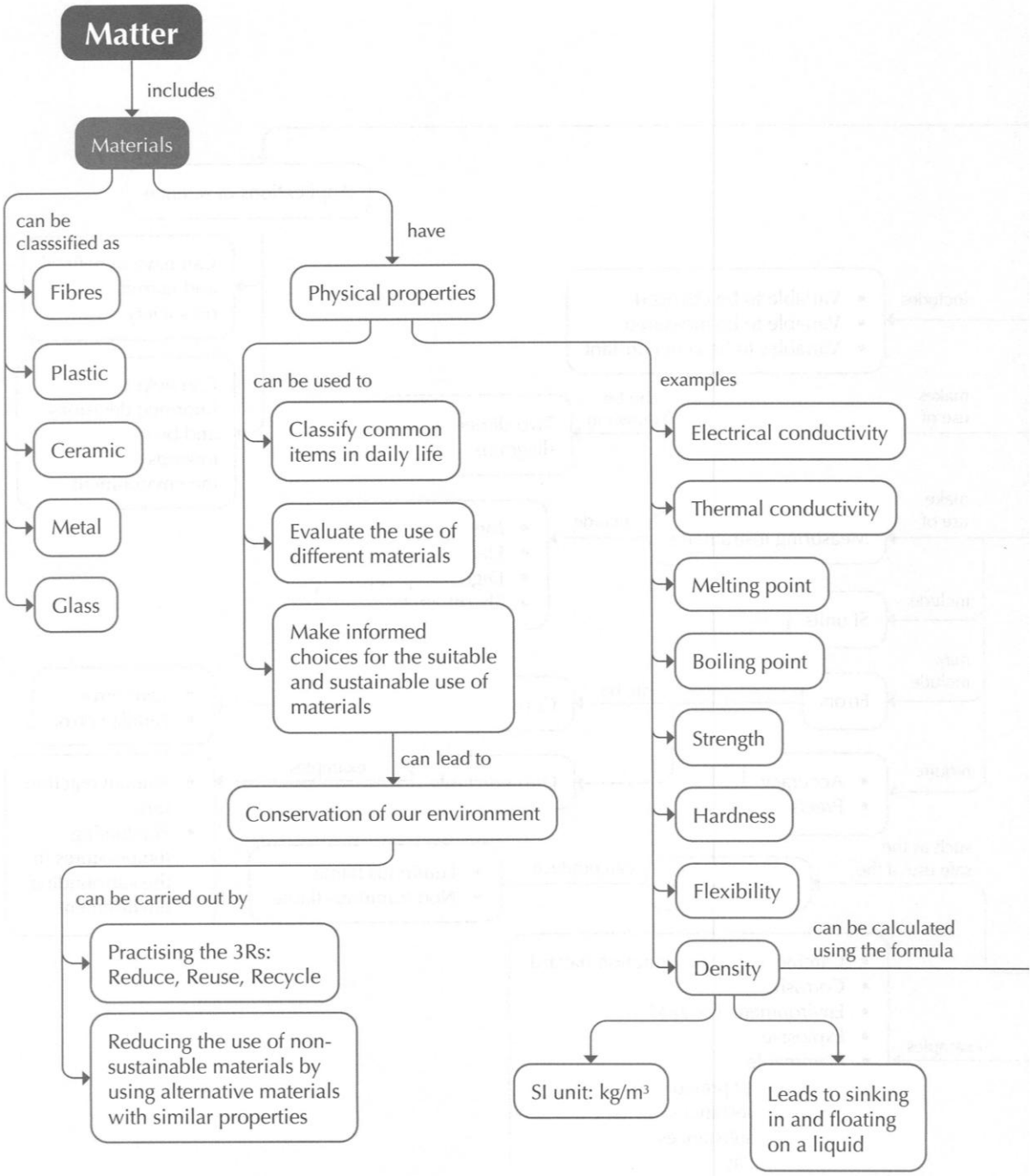
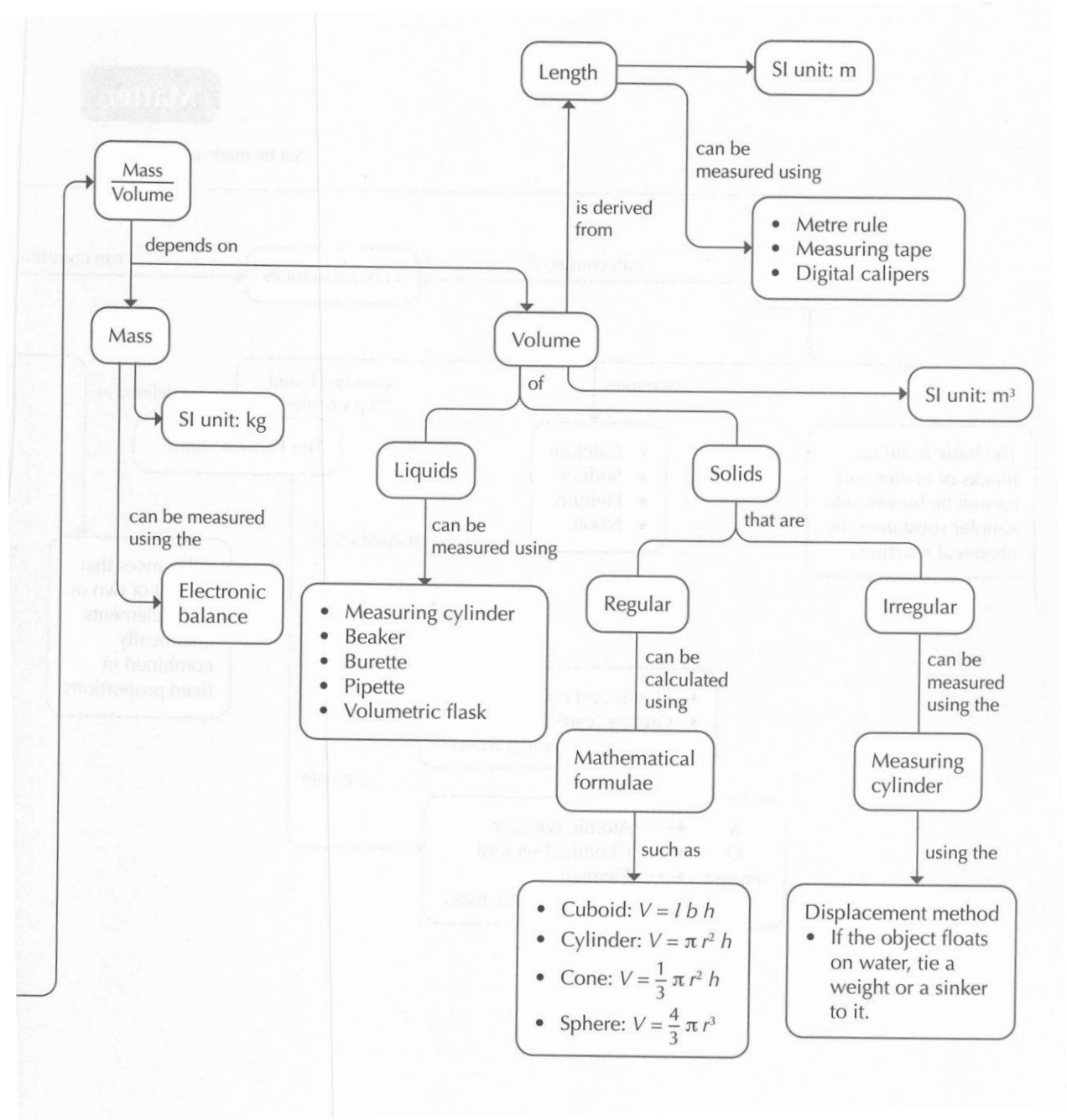
Chapter 2 Exploring Diversity of Matter by Its Physical Properties




Length
SI unit: m
can be measured using
Metre rule
Measuring tape
Digital calipers
is derived from
Mass / Volume
depends on
Mass
SI unit: kg
can be measured using the
Electronic balance
Volume
of
SI unit: m³
Liquids
can be measured using
Measuring cylinder
Beaker
Burette
Pipette
Volumetric flask
Solids
that are
Regular
can be calculated using
Mathematical formulae
such as
Cuboid: V = l b h
Cylinder: V = π r² h
Cone: V = 1/3 π r² h
Sphere: V = 4/3 π r³
Irregular
can be measured using the
Measuring cylinder
using the
Displacement method
If the object floats on water, tie a weight or a sinker to it.