

Dial 'R' for recycle



Instructions - Weigh the mobile phone. Use the Mobile phone dismantling workspace to dismantle the phone.

Sort the parts on this sheet -use the 'Components and materials' sheets to help identify them.

For the battery, calculate the % of total phone weight. Use the 'Components and materials' to identify elements used in the manufacture of mobile phones and mark these on the periodic table. Look at the Group questions and discussion.

Weight _____ grams

The battery was _____% by weight

Battery – Our battery was (or X)

Lithium oxide ____ Nickel cadmium ____

Nickel metal hydride ____ . It weighed ____ grams

Casing & frames

Screen / glass / display

SIM card,

Buttons

Circuit board/s

Wires

Capacitors

Microphones
& speakers

Antennae &
transmitter

Group questions / discussion

What does the periodic table tell you about mobile phone components?

What environmental and sustainability impacts arise from our use of mobile phones?

What solutions can your group identify to address these issues?