The student then transferred the metal block into 300 g of water at 19 °C inside a glass container of mass 50 g. The final temperature of the water was 23 °C.

copper

tin

The table shows specific heat capacity values for copper and tin.

	Specific heat capacity / J kg ⁻¹ K ⁻¹	390	230
Deduce whether the metal block was made from copper or tin.			

Metal

12 A student placed a metal block of mass 220 g in boiling water at 100 °C for

several minutes.

Deduce whether the metal block was made from copper or tin. specific heat capacity of water = $4200 \,\mathrm{Jkg^{-1}\,K^{-1}}$

specific heat capacity of glass = $840 \,\mathrm{J\,kg^{-1}\,K^{-1}}$