1. Record mass of crucible and lid empty

2. Add metal sample* to crucible

3. Record mass of crucible, lid and metal sample

4. Heat strongly for 5 min (Wear eye protection)

5. Allow to cool

6. Note mass of crucible, lid and metal oxide product

7. Heat strongly for a further 2 min

8. Repeat steps 5, 6 and 7 until constant mass

9. Record the mass of crucible, lid and metal oxide product

* Metal sample = 10 cm of Mg ribbon or approx. 2 g of Cu powder

Based on Improving practical work with integrated instructions, David Paterson, Education in Chemistry, 28th November 2018