The Periodic Table: development and modern layout

Q1. a). (2019)

- so elements / iodine / tellurium were in groups with similar properties
- iodine has similar properties to Br / Cl / F / Group 7
- iodine has different properties to Se / S / O / Group 6

Q1. b). (2019)

Mendeleev had predicted properties of missing elements

elements were discovered (that filled the spaces / gaps)

properties (of these elements) matched Mendeleev's predictions

Q1. c). (2019)

relative atomic mass

Q2. (2019)

(increasing) atomic / proton number

Q3. (2019)

Cr_2O_3

Q4. (2020)

they form ions with different charges

they have high melting points

Q5. (2021)

Ga^{3+}

Q6. (2021)

(gallium) fitted in a gap
(Mendeleev had left)

(gallium's) properties were
predicted correctly (by
Mendeleev)

Q7. (2023)

(time needed for) peer review

Q8. (2023)

PH_3

Q9. (2023)

yes, because tellurium is
towards the right of the periodic
table

(so) tellurium is a non-metal