

Reactions of acids with metals, bases, and carbonates

Q1. (2018)

any **one** from:

- metal
- (metal) hydroxide
- (metal) carbonate
- alkali

Q2. (2019)

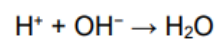
hydrochloric (acid)

water

Q3. (2021)

potassium chloride

Q4. (2021)



Q5. (2021)

copper carbonate and copper
oxide only

Q6. (2023)

any **two** from:

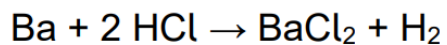
- zinc
- zinc oxide
- zinc hydroxide

Q7. (2023)

any **two** from:

- effervescence / fizzing / bubbles
- barium disappears
- forms a colourless solution
- temperature increases

Q8. (2023)



Q9. (2024)

(calcium's) outer shell /
electrons are further from the
nucleus

(so) the outer electrons are less
strongly attracted to the nucleus

(so) positive ions are formed
more easily