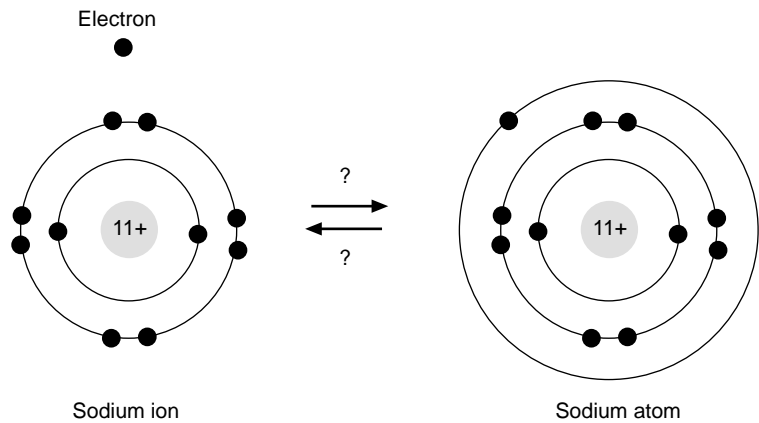


# Stability and reactivity

The three questions all refer to the diagram on the right.

Please tick one box for each of the three questions, and explain your reasons.



## Question 1



Reason

- The sodium atom is more stable than the sodium ion.
- The sodium ion is more stable than the sodium atom.
- The sodium ion and sodium atom are equally stable.
- I do not know which statement is correct.

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## Question 2



Reason

- The sodium atom will eject (give out) an electron to become an ion.
- The sodium ion and electron will combine to become an atom.
- Neither of the changes suggested above will occur.
- I do not know which statement is correct.

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## Question 3



Reason

- The sodium atom is more reactive than the sodium ion.
- The sodium ion is more reactive than the sodium atom.
- The sodium ion and sodium atom are equally reactive.
- I do not know which statement is correct.

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**RS•C**

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