

**34** An isotope of hydrogen has the nuclide notation  ${}^2_1\text{H}$ .

How many neutrons are in the nucleus of this isotope and what is the relative charge on the nucleus?

|          | number of neutrons | relative charge |
|----------|--------------------|-----------------|
| <b>A</b> | 1                  | +1              |
| <b>B</b> | 1                  | +2              |
| <b>C</b> | 2                  | +1              |
| <b>D</b> | 2                  | +2              |