

Q1 (1 mark)

- The smallest part of an element

Q2 (1 mark)

- A substance made of only one type of atom

Q3 (1 mark)

- A substance made from two or more different elements chemically joined

Q4 (1 mark)

- An abbreviation representing an element

Q5 (2 marks)

Any two:

- Atoms are tiny solid spheres
- Atoms cannot be divided in chemical reactions
- Different elements have different atoms
- Compounds form when atoms join together

Q6 (2 marks)

Any two e.g:

- Oxygen
- Carbon
- Iron
- Hydrogen

Q7 (3 marks)

- Atom is the smallest particle (1)
- An element contains one type of atom (1)
- Elements are made of many atoms (1)

Q8 (3 marks)

- Element contains one type of atom (1)
- Compound contains different elements joined (1)
- Compounds have chemical bonds (1)

Q9 (3 marks)

- Shows elements present (1)

- Shows number of atoms (1)
- Uses symbols and numbers (1)

Q10 (4 marks)

- H is hydrogen (1)
- O is oxygen (1)
- Water contains two hydrogen atoms (1)
- Water contains one oxygen atom (1)

Q11 (4 marks)

- Mass is not lost or gained (1)
- Same number of atoms before and after reaction (1)
- Atoms are rearranged (1)
- Total mass stays the same (1)

Q12 (6 marks)

Level 1 (1-2 marks)

- Basic statements about atoms or elements

Level 2 (3-4 marks)

- Some correct differences explained

Level 3 (5-6 marks)

- Clear explanation with examples and symbols

Expected content:

- Atoms are smallest particles (1)
- Elements contain one type of atom (1)
- Compounds contain different elements joined (1)
- Symbols represent elements (1)
- Formulae show numbers of atoms (1)
- Examples included (1)