Structures and Bonding Covalent Bonding Worksheet

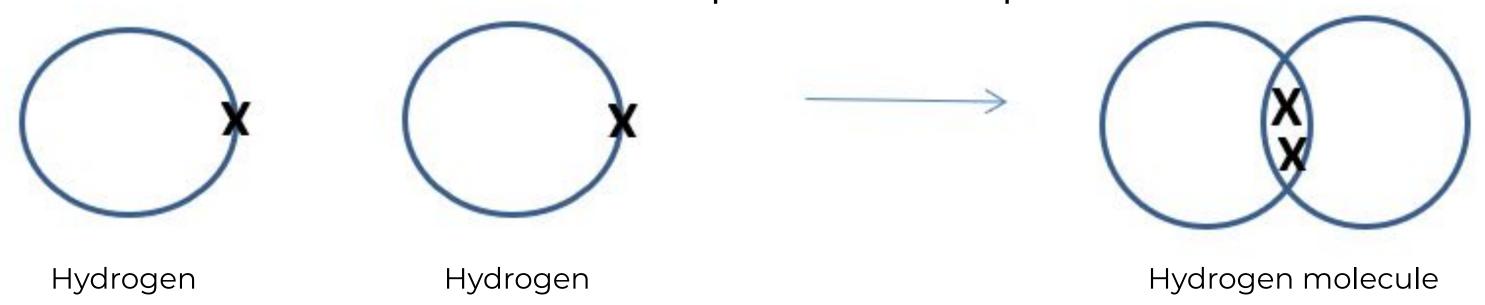
Combined science - Chemistry - Key Stage 4

Mr Robbins



Complete the dot-and-cross diagrams

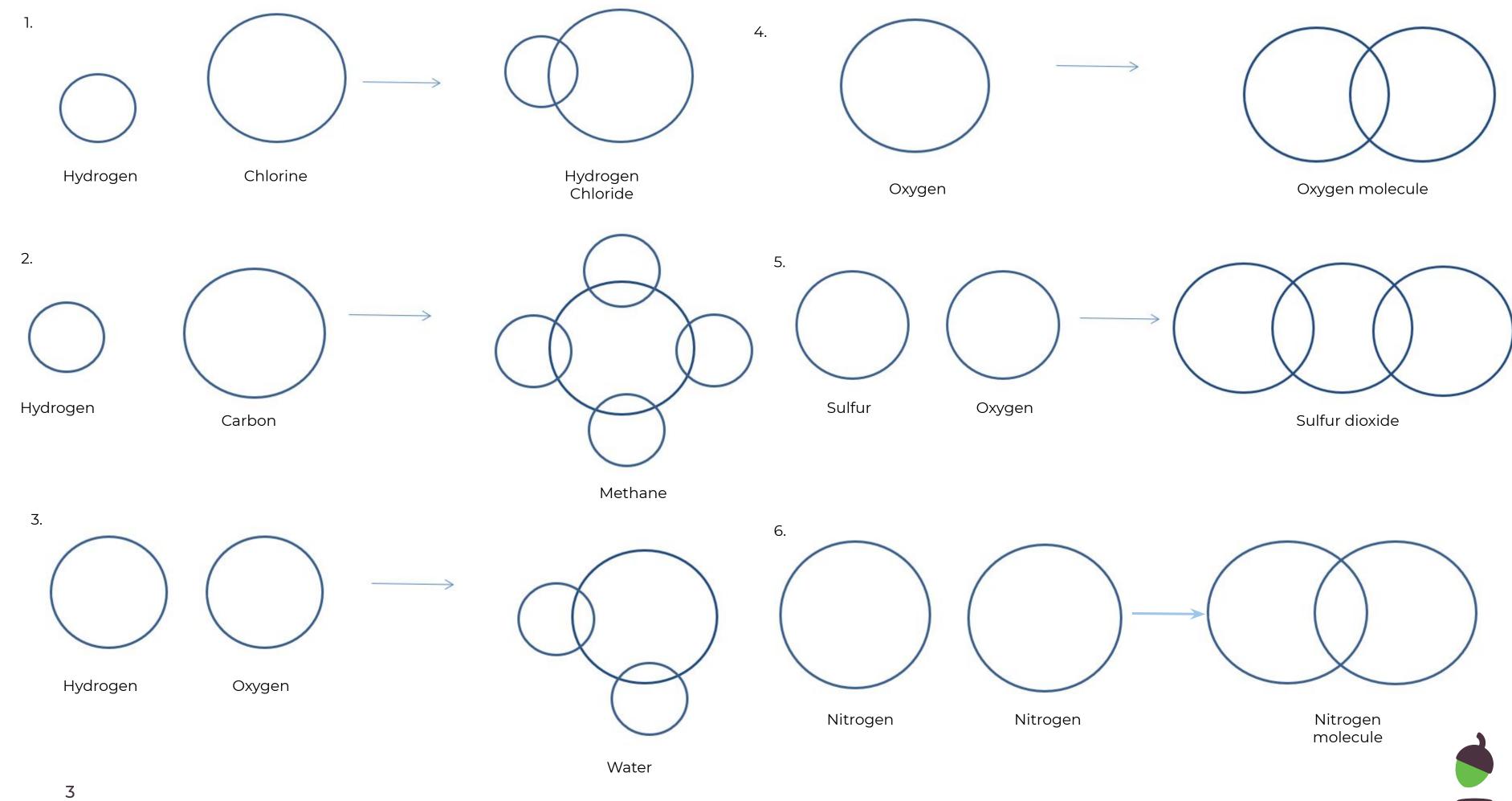
Put the outer shell electrons on the atoms and then complete the molecule. Below is a completed example:

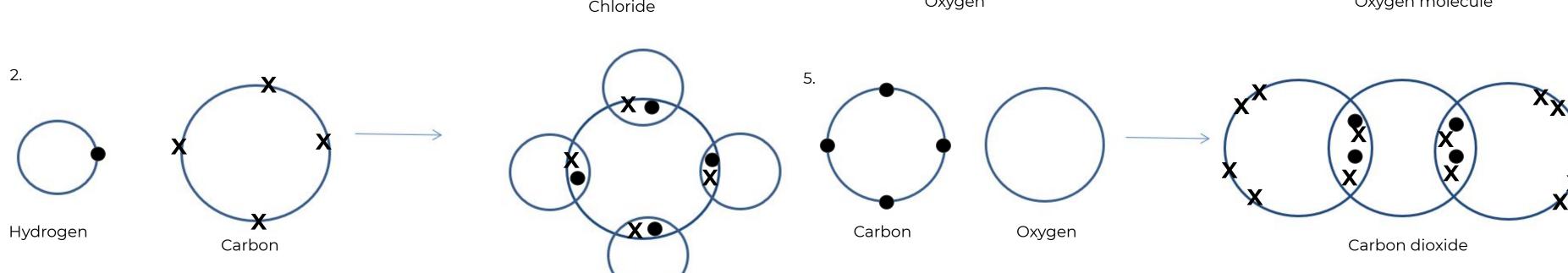


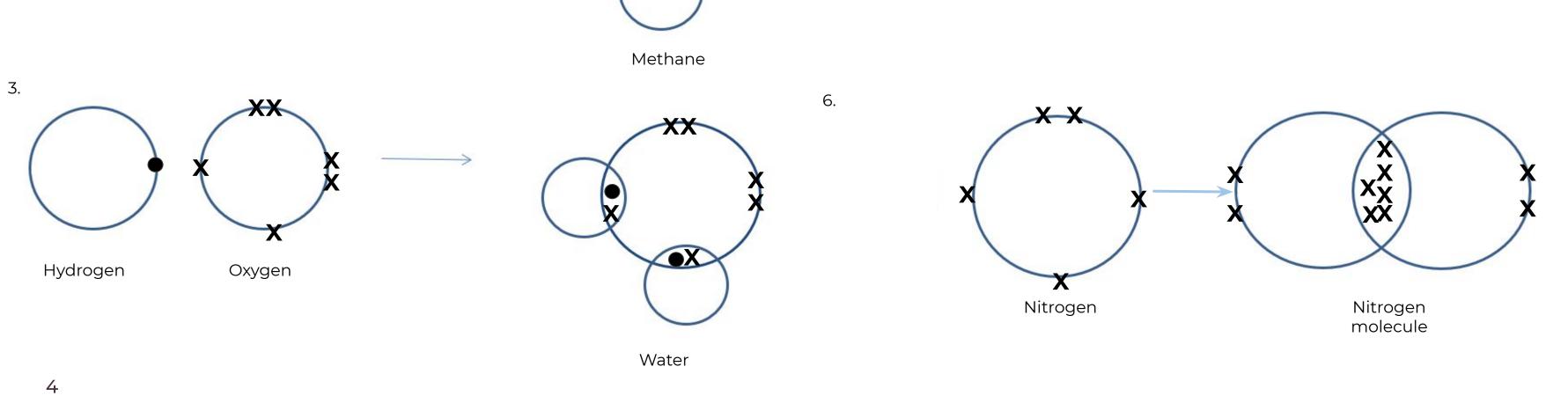
Tips:

Sometimes you might need more than one of a particular atom Check your work: You should always have a full outer shell









Independent practice

- 1. Draw a dot-and-cross diagram for dihydrogen sulfide (H₂S)
- 2. Draw a dot-and-cross diagram for oxygen (O_2)
- 3. Draw a dot-and-cross diagram for carbon dioxide (CO_2)
- 4. Draw a dot-and-cross diagram of methane (CH₄)

