Sodium
Structure and bonding clues
Aluminium (ions are smaller than Mg)
3+ ions
delocalised electrons
Phosphorus
Made up of P₄ molecules
Chlorine

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Teacher Resource 2

<table>
<thead>
<tr>
<th>Electrons</th>
<th>Boiling point clue number 3</th>
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<tbody>
<tr>
<td>London forces</td>
<td>Boiling point clue number 4</td>
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Structure and bonding clues
- Magnesium
- Silicon (like diamond)
Teacher Resource 2

Structure and bonding clues
Sulfur

Structure and bonding clues
Argon

Boiling point clue number 1

Start with the lowest boiling point first

Boiling point clue number 2

What is the difference between the metals?