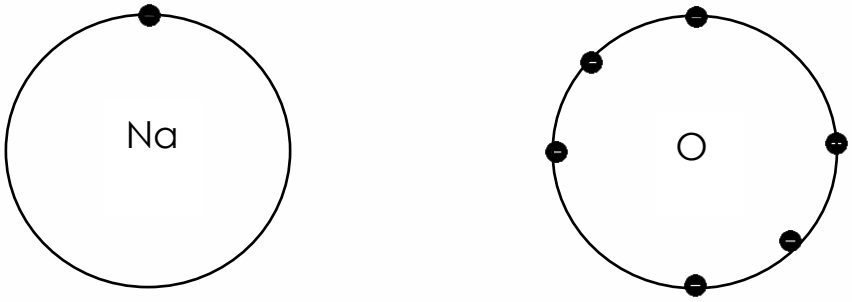
Read the exam style question carefully, then fill in each section below.

Question:

The diagram below shows the outer electrons in an atom of sodium and an atom of oxygen.



Sodium forms an ionic compound with oxygen.

Describe, in terms of electron transfer, what happens when two atoms of sodium react with one atom of oxygen.

Give the formulae of the ions formed.

(6)

Section 1: At first glance

1. What **command words** are used in this question? Circle them clearly.

2. **Underline the key information** in the question above.

2. **How many marks** is this question worth?

Section 2: Thinking ahead

Read the question again.

What do you need to know in order to answer this question really well?

Science Mastery

Can you split the question into two or more parts?

Are there any labelled diagrams that might help you to show your answer?

What are the key words that you should include in your answer?

Section 3: Space to plan

Use this space to plan your answer.

Section 4: Answer the question

Section 5: Check your answer

Answer	Mark
Sodium atoms lose electron	1
(to form) a 1+ sodium ion/Na^+ ion	1
Oxygen atoms gain electron(s)	1
(to form) 2- oxide ion/O^{2-} ion	1
2 sodium atoms and 1 oxygen atom are involved	1
(positive and negative) ions are held together by electrostatic forces of attraction	1