

## Sub-atomic Particles – Revision Worksheet

### 1. Give one word for the following:

1.1 Particles with a positive charge.

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1.2 Particles that are found around the nucleus.

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1.3 Particles without a charge that are found in the nucleus.

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1.4 Particles responsible for the mass of an atom.

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1.5 Particles that determine the volume of an atom.

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### 2. Draw a labelled diagram of a Boron atom.



**3. Complete the table to indicate all the particles of an atom.**

| Particle | Charge   | Where does it occur? |
|----------|----------|----------------------|
|          | Positive |                      |
| Neutron  |          |                      |
|          |          | Around the nucleus   |

**4. Give the following definitions:**

4.1 Proton

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4.2 Atom

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4.3 Electron

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4.4 Neutron

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**5. Look at the following sketch of a neutral atom and answer the questions:**

5.1 What is the nucleus made up of?

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5.2 Which particles move in the space around the nucleus?

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5.3 How many of the following particles are in this atom:

5.3.1 neutrons? \_\_\_\_\_

5.3.2 electrons? \_\_\_\_\_

5.3.3 protons? \_\_\_\_\_

