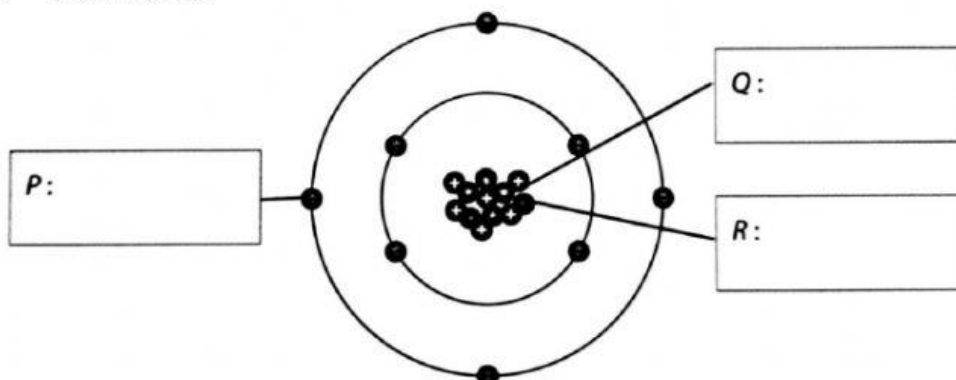


## EXERCISE 8.2

1. Each particle has its own characteristics. State the correct subatomic particles for the following characteristics.

| Characteristics         | Subatomic particles |
|-------------------------|---------------------|
| (i) Do not have charge  |                     |
| (ii) Positively charge  |                     |
| (iii) Negatively charge |                     |

2. Label P, Q and R



3. Table below shows the number of subatomic particles of magnesium ion.

| Subatomic particle | Neutron, n | Proton, p | Electron, e |
|--------------------|------------|-----------|-------------|
| Number             | 24         | 12        | 10          |

|                                                                                                |  |
|------------------------------------------------------------------------------------------------|--|
| How many electrons are lost or gained by the magnesium atom in the formation of magnesium ion? |  |
| Is the ion formed in table above a positive ion or negative ion?                               |  |