



**Science Revised Syllabus  
Junior Certificate  
Higher Level**

**Past Exam Questions on  
C Periodic Table**

**Q4 Part (d) 2012**

- (d) Using their atomic symbols, arrange the metals, copper, calcium, zinc and magnesium in order of decreasing reactivity with dilute hydrochloric acid.

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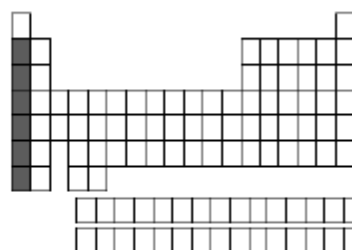
**Q4 Part (a) 2011**

**Question 4**

(52)

- (a) The diagram is an outline periodic table. One area, a group of elements, is shaded.

Name this group of elements and give one chemical property that they have in common.



Group \_\_\_\_\_

Property \_\_\_\_\_

**Q4 Part (a) 2010**

- (a) Give two *different properties* of the element magnesium compared to the compound magnesium oxide.

One \_\_\_\_\_

Two \_\_\_\_\_

Q5 Part (b) 2008

- (b) The diagram shows the *first twenty elements* in their positions in the *periodic table*. The number given with each element is the *atomic number* of that element.

1	2									3	4	5	6	7	8/0
<sup>1</sup> H															<sup>2</sup> He
<sup>3</sup> Li	<sup>4</sup> Be									<sup>5</sup> B	<sup>6</sup> C	<sup>7</sup> N	<sup>8</sup> O	<sup>9</sup> F	<sup>10</sup> Ne
<sup>11</sup> Na	<sup>12</sup> Mg									<sup>13</sup> Al	<sup>14</sup> Si	<sup>15</sup> P	<sup>16</sup> S	<sup>17</sup> Cl	<sup>18</sup> Ar
<sup>19</sup> K	<sup>20</sup> Ca														

- (i) Define *atomic number*. (3)

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- (ii) Naturally occurring lithium is a mixture of two isotopes. Explain the underlined term. (6)

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- (iii) By what *name* are group two metals known? (3)

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- (iv) Why are the *noble gases*, group 8/0, *very chemically unreactive*? (6)

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