

**AQA, OCR, Edexcel**

**GCSE Science**

# **GCSE Chemistry**

Structure and bonding of  
Carbon, Diamond and Graphite  
Questions

**M M E**

Mathsmadeeasy.co.uk

Total Marks: /15

Q1) What element is diamond?

---

(1 mark)

Q2) Describe the structure of diamond.

---

---

---

(2 marks)

Q3) Describe the properties of diamond.

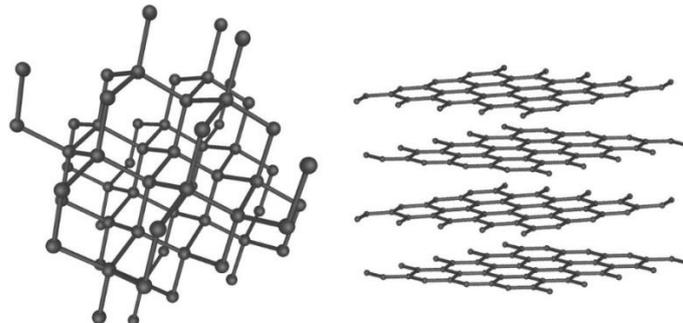
---

---

---

(3 marks)

Q4) This diagram shows the structural differences between diamond (left) and graphite (right).



Describe the differences between the two structures.

---

---

---

---

(2 marks)

Q5) Graphite can conduct electricity, why is that?

---

---

---

(2 marks)

Visit <http://www.mathsmadeeasy.co.uk/> for more fantastic resources.

Q6) Define a fullerene.

---

---

---

(2 marks)

Q7) Name the first fullerene to be discovered.

---

(1 mark)

Q8) What is a carbon nanotube?

---

(2 marks)