

**AQA, OCR, Edexcel**

# GCSE Science

## GCSE Biology

### Adaptations Questions

Name:

**M M E**

Mathsmadeeasy.co.uk

Total Marks: /21

Q1: Explain why organisms have adaptations.

---

(1 mark)

Q2: What are the 3 types of adaptations organisms can have?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

(3 marks)

Q3: i) What is an extremophile?

---

(1 mark)

ii) Give an example of an extremophile and how they are adapted to their environment.

---

---

(2 marks)

Q4: What are the main problems of animals living in the cold and how do arctic animals overcome this habitat?

---

---

---

---

---

---

(4 marks)

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

Q5: Survival in the desert is difficult as there is a harsh climate and animals must adapt. Using a camel as an example, discuss what adaptations the camel has to survive in the desert.

---

---

---

---

---

---

---

---

---

---

(6 marks)

Q6: Below are 3 species from 3 very different habitats. Draw a line to the correct adaptation from the species and environment.

Epiphyte  
(Rain Forest)

Low surface area  
of leaves

Cacti  
(Desert)

Retains water for  
long periods

Marram Grass  
(Sand Dunes)

Grow from other  
plants high above  
the ground

(3 marks)

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

Q7: Broom lives in woodland with high competition for water. What does the reduction of stomata enable the plant to do in order to survive?

---

(1 mark)

Q8: How do cacti prevent animals from eating them?

---

(1 mark)