

Questions

Q1.

Figure 7 shows a recent 'supermoon'.

A 'supermoon' can occur only when the Moon is at the point in its orbit where it is closest to the Earth.



(Source: © NASA)

Figure 7

(i) How many days after this photograph will it be until the next full Moon?

Give your answer to 1 decimal place.

(1)

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(ii) How many days after this photograph will it be until the Moon is next at its closest to the Earth?

Give your answer to 1 decimal place.

(1)

.....

(Total for question = 2 marks)

Q2.

Figure 7 shows a recent 'supermoon'.

A 'supermoon' can occur only when the Moon is at the point in its orbit where it is closest to the Earth.



(Source: © NASA)

Figure 7

Compare the effects that a 'supermoon' and libration have on the appearance of the Moon's disc, when viewed from Earth.

(3)

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(Total for question = 3 marks)

Q3.

A student made some naked-eye observations of the night sky.

Sketch how the Moon appears in the northern hemisphere, three days after the new moon.

(1)

(Total for question = 1 mark)