



# K Education Centre

## KS3 Year 8 Science

Physics – Universe

Assignment Questions

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## Universe

Q1 : Explain the formation of day and night in UK due to earth's position.

Q2: Why summer daylight hours are longer than winter daylight hours.

Q3 : What is a satellite ? What are the uses of satellites?

Q4: What is gravitational field strength ?

Q5 : Calculate the weight of a person with mass 40 kg on Earth. ( Gravitational field strength on Earth= 10 N/Kg)

Q6: : Calculate the weight of a person with mass 50 kg on moon . ( Gravitational field strength of moon = 1.6 N/Kg)

Q7 : What is a galaxy ? Name the galaxy in which our solar system exists.

Q8 : What is a light year? Why distance in space is calculated in light years?

Q9: How far away is Sun from Earth if it takes light 8 mins to reach the earth from the Sun. ( Speed of light 300 000 km/sec)

Q10 : What are constellations?

Q11: Which is the closest star to earth apart from Sun ?

Q12: How long it will take for light to travel to earth from a star which is located 300 000 000 kms from Earth.