

Answer on Question 55859, Physics, Other

Question:

- 1) Explain what it means for an object to move with uniform motion.
- 2) How does uniform motion relate to velocity and acceleration?

Answer:

- 1) An object is said to be in uniform motion if it moves in a straight line at a constant speed. It means, that an object in uniform motion travel equal distances in equal intervals of time. For example, if a car moving at a constant speed of 10 m/s will travel equal distances of 10 metres every second its motion will be uniform.
- 2) If an object moving in a uniform motion at a constant speed its velocity stay the same and acceleration is equal to zero.