1. Calculate the KE of a 1200 kg car that is moving with a velocity of 24 m/s?
2. Usain Bolt has a mass of 94 kg and can reach a maximum velocity of 12.4 m/s at his fastest point in a 100m sprint. Calculate his KE.
3. The largest land predator is the male polar bear, which has a mass of around 500.00 kg. If the top velocity of a male polar bear is 11.0 m/s, how much KE does it have?
4. Though slow on land, the leatherback turtle holds the record for the fastest water speed of any reptile. The largest leatherback yet discovered could swim at a velocity of 9.78 m/s. If its KE was 60,800.0 J, what was its mass?
5. What is the KE of a 1.00 kg hammer swinging at 20.0 m/s?
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