Date



5.	A rapid-fire pellet gun fires 10 rounds per second
	a. What is the distance in the air between the flying pellets?
	b. What happens to the distance between the pellets if the rate of fire is increased?
6.	Consider a wave generator that produces 10 pulses per second. The speed of the waves is 300 cm/s.
	a. What is the wavelength of the waves?
	b. What happens to the wavelength if the frequency of pulses is increased?
7.	The bird at the right watches the waves. If the portion of a wave between 2 crests passes the pole each second, what is the speed of the wave?
	What is its period?
	If the distance between crests in the
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