Name		

ALBERT EINSTEIN RESEARCH

Us lea	se internet or published material to research the following questions on Albert Einstein. List at ast 3 references/websites consulted:
Bo	orn: Date Location led: Date Location
Υε Υε Υε	ear renounced German citizenshipear first visited U.Sear moved permanently to U.Sear became U.S. citizen
1.	What year is referred to as Einstein's "Miracle Year"? Why is it called this?
	On what 5 topics did Einstein write, and submit for publication, papers in that year? What was his job at the time? Where?
4.	a. In what year and for what scientific concept did Einstein receive the Nobel Prize in physics?
	b. Describe this concept. What famous scientist first proposed this idea in 1900?
5.	a. What are the 2 fundamental postulates of the Special Theory of Relativity?

b. What is the significance of Maxwell's electromagnetic equations (1873) to the theory?

	c.	What is the significance of the Michelson-Morley experiments (1881-1887) to the theory?
	d.	According to the theory, what a things happen to an object moving close to the speed of light (as viewed by an outside observer)?
	e.	What experimental proof is there that these things really happen?
	f.	What is the "twin paradox"?
6.	Wh	at is the meaning of the equation $E = mc^2$? What important application does it have?
7.	Wh	nat is the General Theory of Relativity? When was it finally completed?
8.	Wł	nat hobbies did Einstein have?
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