Exercise D2: Comets	and M	leteors	
Student name:	Class:	Date:	
Check the box with the correct answer.			
Question 1: What is the major differe	ence between as	steroid and comet orbits?	
☐ a . Comet orbits are more elli	iptical than aster	eroid orbits.	
☐ b . Comet orbits tend to be cl	oser to the plane	ne of the ecliptic than asteroid orbits.	
☐ c . Comet orbits have their ap	helion closer to	o the Sun than asteroid orbits.	
☐ d . Comet orbits are more sta	ble than asteroid	oid orbits.	
	iges to its orbit, v	what will the orbital period of Halley's come	ŧ
be after 2020?			
□ a . 38 years			
□ b. 65 years			
□ c. 76 years			
☐ d . 152 years			
Question 3: How does the semi-major	r axis of Halley's	's orbit compare to the Earth's distance from	
the Sun? Hint: Use the Angular Sepa	aration Tool a	and the diagram below to help you to answe	∍r
this question.			
\square a . It is about the same.			
☐ b . It is 18 times larger.			
☐ c. It is 36 times larger.			
☐ d . It is 72 times larger.			

Question 4: What is the appr	oximate date of the Eta Aquarid meteor shower?
□ a . Early May	
☐ b . Mid-October	
☐ c. Mid-April	
☐ d . Late May	