

	Select the functio	n of each type of tooth.	
	Type of Tooth	Function	
	incisor	• Select	
	canine	• Select	
	molar	• Select	
	premolar		
	wisdom	• Select	
	This is the skull of a carnivore. H	w can you tell this just	
	by looking at the teeth?		
	1 Alexandre		
	<b>6</b> H <b>1</b> H <b>1</b> H <b>1</b> H		
Ho be	pefully you have been reading th en concocting an experiment. The	e newsletter and you will have seen that we have aim was to find out the different effects of liquids	
on	our teeth.		
<u>Too</u> Por	oth Decay Experiment with Egg sł werPoint Presentation (forsyth.oı	<u>ells (science-sparks.com)</u> g)	
Thi	is is a similar eggsneirment to the	one we did	
	oth anomal is tough but can be a	aded by sugar in your boyerages and asids in your	
mc	outh. Sugary beverages are not go	od for teeth as they stick to the surface and bacteria	a
the exp	en break down the sugar to make bosed to acidic beverages or acid	acid, which can damage teeth. When tooth enamel generated by sugary beverages, it softens and loses	İS
sor nH	ne of its mineral content. Saliva h	elps neutralize the acid, restore the mouth's natura	I
rec	covery process is slow, if the acid	exposure happens frequently, the tooth enamel doe	25

not have the chance to repair. This can cause tooth sensitivity and lead to the need for dental treatment to protect the tooth and the dentin underneath. Materials Procedure 1. Label each cup with the liquid and carefully add a hard-boiled egg to each cup. Optional: include cup and put some tooth paste on a small area or whole egg before soaking. 2. Pour 1 cup of each type of drink into its own cup. Make sure to include one cup with water (control). Soak for 48 hours at room temperature or refrigerator 3. Take out soaked hard-boiled eggs and make observations about its colour and texture. Compare each experimental eggshell to the "control" eggshell that was just soaked in water. 4. Can you brush off the stains using tooth brush? 5. Record your observations and any conclusions you make about how the sweetness or acidity of drinks affect teeth. Questions • Beverages: sugary - Soda, energy drink (e.g. Red Bull), sports drink (Gatorade), Juice; acidic - vinegar, orange juice, water (control), milk (control) • Clear cups or glasses (one for each drink) with covers or pieces of foil or plastic wrap and rubber bands to cover • Hard-boiled eggs • Extra toothbrush • Toothpaste Research Question: Can sugary or acidic beverages really weaken teeth? Objective: Since egg shells are similar to tooth enamel, examine hard-boiled egg shells soaked for 2 days in various beverages to see if the acid weakens tooth enamel. 1. The enamel of your tooth is similar to the egg's shell. What happened to the egg shells that were soaked liquids that are sugary? Why? 2. What happened to the egg shells that were soaked liquids that are acidic? Why? 3. If you used toothpaste what was the effect? Why? 4. Based on what happened to the eggshells in your experiment, which drinks do you think are BEST for your teeth? Why? This was our result. We will not give too much away though! We did not boil our eggs first, I suggest you do so as one of ours popped! Remember to make a prediction first!



HLTA	F	TA	I
LO: to create a so	<mark>ientific c</mark> o	onclusion	
I can	use my pre	diction to compare against	
	what we fo	bund	
I know	How to use	e scientific words	
I understand	How to pre	esent our findings	



Root	Pulp	Cementur
Dentine	Enamel	Crown